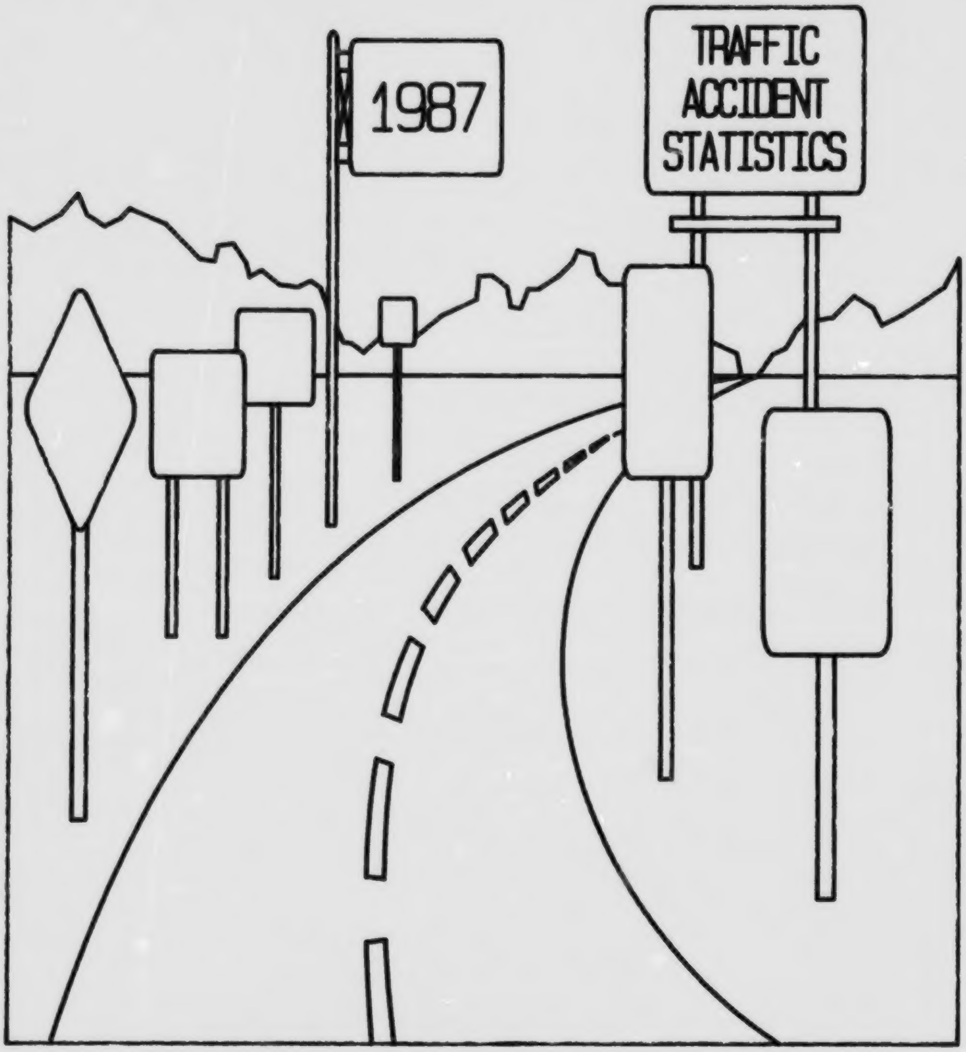
MINISTRY OF SOLICITOR GENERAL



MOTOR VEHICLE BRANCH

Province of British Columbia

OFFICE OF THE SOLICITOR GENERAL

Ministry of Solicitor General

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FOREWORD

As Solicitor General for the Province of British Columbia, I am in a unique position to oversee and coordinate improvements to public safety within this Province.

This improvement necessarily requires a comprehensive effort, addressing road users as well as vehicles and road environment. Programs within my Ministry, such as driver and vehicle testing and licencing, motor carrier transport, police services, coroner's services and corrections systems, as well as those developed by other government and private interests, must be coordinated and managed in such a way as to meet the significant challenge of several, sometimes conflicting, objectives.

It is through consultation and cooperation that we can develop sound initiatives to combat the increasing accident rates and unacceptable loss of life on our highways.

This report has been prepared to enhance awareness and understanding of the phenomena of traffic accidents. I encourage all citizens to become involved with government and industry to make our safety programs successful.

Share our commitment to making your highways safer.

Angus Ree
Solicitor General

SUPERINTENDENT'S MESSAGE

In British Columbia, traffic accidents and traffic law violations represent the single largest financial burden on the citizens and government of this Province. It is estimated that traffic accidents alone cost the citizens of B. C. three-quarters of a billion dollars a year. The cost in human terms cannot be measured.

Motor vehicle accidents have been increasing steadily since 1984, with 1987 figures the highest recorded since 1981. Last year in British Columbia a total of 622 persons were killed in motor vehicle accidents and 41,291 people were injured. This translates to an average of 113 persons injured each day, and one person killed every 14 hours. Approximately 37% of all traffic fatalities in 1987 were alcohol-related.

Clearly we need to continue our efforts in developing countermeasures and enhancing the level of public awareness with regard to traffic safety. Our biggest challenge, however, is that of driver attitude. Without a corresponding change in attitudes, which in turn leads to behavioral change, our efforts can never be completely successful.

This report has been designed to expand knowledge and understanding of road safety issues and problems. I hope this knowledge will lead to increased committment and cooperation on the part of all road users in the prevention of accidents and the development of meaningful and effective safety initiatives.

P. K. Jackman
Superintendent of
Motor Vehicles

TRAFFIC ACCIDENT SYSTEM

Overview

The Motor Vehicle Branch Traffic Accident System is designed to compile and maintain information on all reportable traffic accidents occurring in the Province of British Columbia.

Traffic accident information is used by the Motor Vehicle Branch for compiling statistics to determine accident trends; for support of road user safety and driver improvement programs (both at the provincial and federal level); for monitoring of commercial vehicle accident trends and commercial vehicle safety programs; and for use by management in planning, development of new policies and programs and monitoring the effectiveness of existing programs.

Data extracted from this system is also used in research by provincial and federal government agencies, the Insurance Corporation of British Columbia, other jurisdictions and by the R.C.M. Police and Municipal Police forces in the development of law enforcement priorities and programs.

Application

Motor vehicle accidents are reportable in British Columbia if they result in personal injury or death or aggregate property damage in excess of $400. A motorist must report an accident to police within 24 hours of occurrence (48 hours in remote communities) who forward a completed Police Investigation Report to the Motor Vehicle Branch within ten days for processing.

Reports are screened, microfilmed, input to the database, and stored on the host computer at B.C. Systems Corporation in hierarchical (FOCUS) format.

The Traffic Accident System interfaces with the Driver Licencing System. Selected information such as accident type, date of occurrence, location and presence of alcohol involvement is passed to the Driver System to be included on an individual's driving record. Linkage is through the driver's licence number.

Reporting

The accident data is used to produce a variety of reports. Among these are monthly and quarterly accident and victim statistics; monthly and quarterly Police Data Package reports which provide police with feedback on accident activity in their jurisdiction and assist in the performance of selective law enforcement priorities; and quarterly and annual Engineering Data Package reports to assist in the planning and design of municipal roadways.

Numerous statistics are produced for use in the Ministry's Annual Report as well as the annual Traffic Accident Statistics Report. All reports, including ad hoc reports are generated using FOCUS, a fourth generation analysis and reporting language.

The statistics in this report, extracted March 22, 1988, are for the calendar year 1987. We hope that this publication will increase public awareness of the importance of safe driving practices and lead to improved traffic safety on our highways.

For information regarding this publication, and to receive additional copies, please contact:

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MINISTRY OF SOLICITOR GENERAL

MOTOR VEHICLE BRANCH

1987 TRAFFIC ACCIDENT STATISTICS

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DEFINITIONS OF TERMS USED IN REPORTS

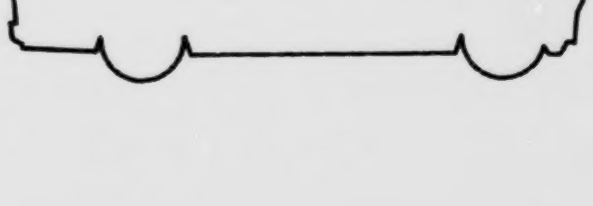
ACCIDENT	Event without apparent cause. Reportable in B.C. when injury or death occurs or when greater than $400 aggregate property damage is sustained; in the case of a cycle when greater than $25 in damage is sustained.
AIR BAG	Inflatable safety device usually stored in vehicle dashboard or steering wheel/column. Upon impact, bag is released and inflated to cushion vehicle occupants and prevent serious injury.
ALCOHOL INVOLVEMENT	Any alcohol involvement, suspected or confirmed, e.g., driver had been drinking; odor of liquor.
ARTIFICIAL GLARE	Glare caused by streetlight, headlights, or other man-made light source.
A.T.V.	All Terrain Vehicle: any type of vehicle propelled by motorized power and capable of travel on or off a highway as defined in the HIGHWAY ACT and that is designated as an All Terrain Vehicle by regulation under the ALL TERRAIN VEHICLES ACT.
BICYCLE	"Cycle Bi/Tri" 2 or 3 wheeled, pedal driven vehicle.
CHILD RESTRAINT	Federally approved child safety seat.
COMB. UNIT TRK/HY	Combination Unit - Truck/Heavy: truck and trailer unit over 10,900 kg.
COMB. UNIT TRK/LT	Combination Unit - Truck/Light: truck and trailer unit, trailer under 4,600 kg and total not over 10,900 kg.
COMB. UNIT TRACTOR TLR	Combination Unit - Tractor Trailer: tractor and semi-trailer unit, over 10,900 kg.
COMB. UNIT TRAC/TLR & PUP	Combination Unit - Tractor Trailer & Pup: tractor and semi-trailer and pup trailer (pup = 4 wheel trailer).
COMMERCIAL VEHICLE	A vehicle licenced as such under the COMMERCIAL TRANSPORT ACT and used primarily for commercial/business purposes.
CONSTRUCTION (Section 3)	Road maintenance, and/or construction on roadway which contributes to accident.
CRASH CUSHION	Water or sand filled container placed against abutments etc., used to absorb vehicle impact and lessen accident severity.

DRIVER TRAINING VEHICLE	Licenced driving school vehicle being used for driver training at time of accident.
EMERGENCY VEHICLE	Motor vehicle carrying rescue or first aid equipment, whether or not actually responding to an emergency at time of accident.
FARM VEHICLE	A vehicle used primarily as an implement of husbandry and licenced as such under the COMMERCIAL TRANSPORT ACT, e.g., farm tractor, combine, thresher.
FATAL ACCIDENT	Any motor vehicle or other road vehicle accident occurring on a 'public highway' as defined in the MOTOR VEHICLE ACT which results in fatal injuries to one or more persons and these persons are deceased within 30 days of the accident. A suicide, although not an "accident", is considered a fatal motor vehicle accident, however, a homicide, also not an "accident", is not considered a fatal motor vehicle accident.
GENERAL CONSTRUCTION VEHICLE	Backhoe, bulldozer, crawler, digger, excavator, forklift, loader, mower, skidder, trencher.
GOVERNMENT VEHICLE	Federal; Provincial; Municipal; Regional District: registration indicates government, but does not include emergency vehicles.
HEAVY COMMERCIAL VEHICLE	Single or combination truck unit over 10,900 kg.
HOLIDAY	Time period beginning at 6 p.m. the evening before a holiday or holiday weekend, and ending at midnight the last day of the holiday or holiday weekend.
ILLUMINATION	Man-made lighting in the accident vicinity, e.g., street lighting. This does not refer to temporary illumination which comes from passing vehicles or from moonlight, even if those may have contributed to the accident.
IMPACT ATTENUATOR	Refer to "Crash Cushion"
INDUSTRIAL ROAD	Any road which is constructed or exists for the transportation of natural resources, raw or manufactured, or the transportation of machinery, materials, or personnel by means of motor vehicles; includes all bridges, wharves, log dumps, and works. Does not include public roads, privately owned roads or roads used solely for construction or maintenance of power lines, etc.

JACK-KNIFING	Attached vehicle fails to follow path of towing vehicle. Vehicle and trailer turn or rise to 90 degrees or less.
LIGHTING CONDITIONS	DARK/FULL ILLUMINATION: dark condition but accident area is fully illuminated by artificial light. DARK/NO ILLUMINATION: complete darkness. DARK/SOME ILLUMINATION: dark condition but some artificial light exists.
MAJOR CONTRIBUTING FACTOR	Those circumstances or events that the attending police officer perceives to directly contribute to a traffic accident.
MODIFIED VEHICLE	A vehicle which deviates from manufacturer's specifications.
MOPED	Vehicle capable of being operated by pedals and is equipped with a motor under 50 cc (any class driver's licence or special class 6). Moped on flat surface not to exceed 50 km/h under power.
MOTOR VEHICLE	A motorized device in, upon, or by which a person or thing is, or may be transported or drawn upon a highway, except a device designed to be used exclusively upon stationary rails or tracks.
OBSTRUCTION/DEBRIS (Section 3)	Debris in travelled portion of roadway which contributes to traffic accident.
OVERSIZE VEHICLE	A vehicle more than 70 feet in length with width greater than 8 feet 6 inches, and height greater than 13 feet.
OFF HIGHWAY	Private place, field, bush, e.g., All Terrain Vehicles on private road indicated by signs.
PERSONAL INJURY ACCIDENT	Any motor vehicle or other road vehicle accident occurring on a 'public highway' as defined in the MOTOR VEHICLE ACT which results in injury but not death to one or more persons.
PRIMARY ACCIDENT OCCURRENCE	The key event of an accident.
PROPERTY DAMAGE ACCIDENT	Any motor vehicle or other road vehicle accident occurring on a 'public highway' as defined in the MOTOR VEHICLE ACT in which greater than $400 aggregate property damage, or in the case of a cycle $25 damage is sustained, but no injury or death occurs.

PUBLIC BUS	Any public transportation bus, city transit, B.C. Hydro, tourist bus.
RECREATIONAL VEHICLE	Vehicle used for personal use outside usual environment, e.g., vacation, sightseeing.
ROAD CONSTRUCTION VEHICLE	Grader, paver, roller.
SAFETY EQUIPMENT	Seatbelts, motorcycle helmets, airbags, child restraints.
SCHOOL BUS	A motor vehicle used for conveyance of children to and from school by or under contract with the authority in charge of the school.
SIGN OBSTRUCTION	Temporary sign erected on roadway; sign obstructed by trees, etc.
SINGLE UNIT TRUCK/HVY	Single Unit Truck/Heavy: single unit truck over 10,900 kg.
SINGLE UNIT TRK/LT	Single Unit Truck/Light: single unit truck up to 10,900 kg.
SPECIAL VEHICLES	Road construction vehicles, general construction vehicles, mobile home in transit, mobile crane.
VICTIM	A person involved in a motor vehicle or other road vehicle accident who is injured or killed.
VEHICLE	A device in, upon, or by which a person or thing is, or may be transported or drawn upon a highway, except a device designed to be moved by human power or used exclusively upon stationary rails or tracks.
YAW	Body of the vehicle is on an exaggerated lean to one side while continuing forward and wheels side slipping while rotating on the surface, forming angular striation on the highway surface.

SECTION 1



SUMMARY STATISTICS

1986 - 1987 COMPARATIVE STATISTICS

SUMMARY STATISTICS	1986	1987	% CHANGE
ACCIDENTS			
PROPERTY DAMAGE ONLY	83,904	84,630	+0.91
PERSONAL INJURY	28,624	29,194	+1.99
FATAL	514	542	+5.45
TOTAL REPORTED ACCIDENTS	113,042	114,366	+1.17
VICTIMS			
NUMBER OF PERSONS INJURED	40,378	41,291	+2.26
NUMBER OF PERSONS KILLED	599	622	+3.84
TOTAL VICTIMS	40,977	41,913	+2.28
DRIVERS			
LICENCED FEMALE DRIVERS	1,027,601	1,064,183	+3.56
LICENCED MALE DRIVERS	1,299,340	1,332,845	+2.58
TOTAL LICENCED DRIVERS	2,326,941	2,397,028	+3.01
VEHICLES			
LICENCED PASSENGER VEHICLES	1,571,039	1,627,935	+3.62
LICENCED COMMERCIAL VEHICLES	573,978	585,993	+2.09
LICENCED TRAILERS	260,444	265,431	+1.91
LICENCED MOTORCYCLES	77,700	76,807	-1.15
TOTAL VEHICLES LICENCED(during the year)	2,483,161	2,556,166	+2.94

cont'd ...

1986 - 1987 COMPARATIVE STATISTICS

SUMMARY STATISTICS	1986	1987	% CHANGE
ACCIDENT RATES			
ESTIMATED B.C. POPULATION	2,888,821*	2,960,900**	+2.50
ACCIDENTS PER 100 LICENCED DRIVERS	4.86	4.77	-1.85
ACCIDENTS PER 100 PEOPLE	3.91	3.86	-1.28
ACCIDENTS PER 100 LICENCED VEHICLES	4.55	4.47	-1.76

* Estimated as of March 5, 1987 (Ministry of Finance).
**Estimated as of March 3, 1988 (Statistics Canada).

Note: Due to difficulties in obtaining the required information we are no longer calculating accident rates based on distance travelled (km).

1987 SUMMARY ACCIDENT FACTS

ACCIDENTS

. The number of reportable traffic accidents recorded in British Columbia increased slightly during 1987. There were 114,366 accidents in 1987, an increase of 1.17% from 113,042 in 1986.

- Fatal accidents increased by 5.45% to 542 from 514.
- Injury accidents increased 1.99% from 28,624 to 29,194.
- Property damage accidents rose 0.91% from the previous total of 83,904 to 84,630.

. A motor vehicle accident occurred every 4.60 minutes in British Columbia in 1987. This is the same ratio recorded for 1986.

FATALITIES

. The number of traffic fatalities increased by 3.84% over the previous year. There were 622 deaths recorded in 1987 as opposed to 599 in 1986.

- The greatest increase in fatalities - 17.65% - occurred in the bicyclist category.
- Motorcyclists killed rose by 12.28%.
- Drivers killed increased by 5.04%.
- Pedestrians killed rose by 3.19%.
- Vehicle passengers killed decreased by 5.91%.

. Thirty percent of all fatalities occurred during the months of June to September.

. The greatest number of fatalities was recorded during the month of August, when 77 persons or 12.38% of all fatal victims were killed.

CASUALTIES

. Each day an average of 113 persons were injured in accidents, and one person was killed approximately every 14 hours.

. Casualty rates were highest for persons between the ages of 16 - 20. Approximately 20% of all victims killed and injured were in this age group; 17% were between the ages of 21 and 25; approximately 2% were under the age of six.

cont'd...

SUMMARY ACCIDENT FACTS cont'd...

ALCOHOL INVOLVEMENT

- The incidence ~f alcohol involvement as a contributor to accidents decreased in 1987 as c .red to the previous year.
- Alcohol involvement comprised 9.18% of all identified contributing factors assigned to accidents in 1987. This is a 2% decrease from the proportions recorded in 1986 and 1985.
- Alcohol was the most frequently cited contributing factor in fatal accidents, with 34.13% of all fatal accidents involving alcohol.
- Alcohol was involved in 12.48% of all injury-producing accidents, but only 5.28% of the property damage crashes.
- Approximately 46% of all alcohol-related accidents resulted in injury or death.

CONTRIBUTING FACTORS

- Over 80% of the primary contributors to accidents were human action or human condition. Environmental condition comprised 15.23% and vehicle condition 2.62%.
- The most frequently reported contributing factors to accidents during 1987 were, in order of magnitude: driving without due care; failing to yield the right of way; alcohol involvement; backing unsafely; weather conditions and driving at unsafe speed.

MOTOR VEHICLE TRAFFIC ACCIDENT FREQUENCIES - 1977 to 1987

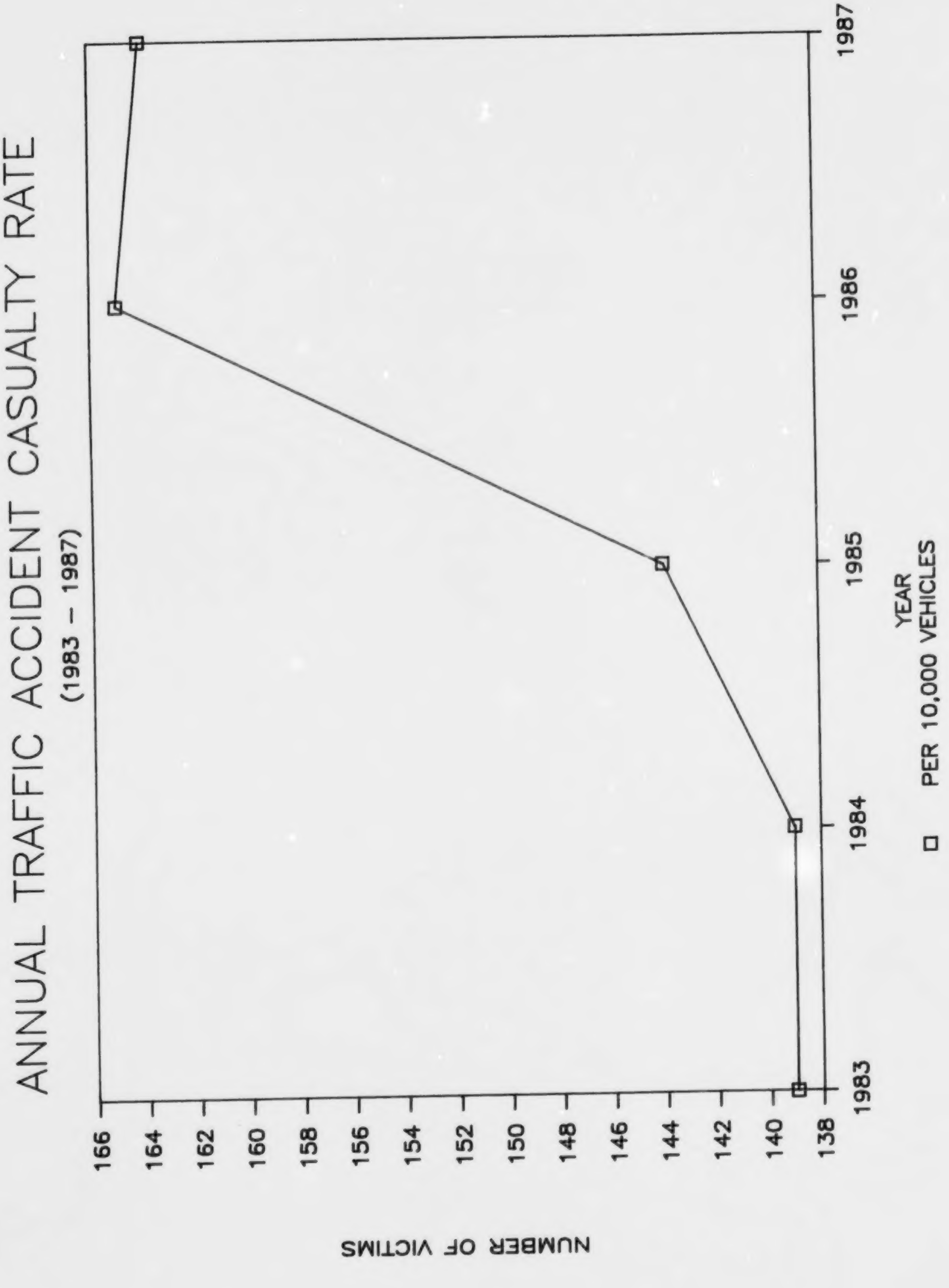
YEAR	TOTAL VEHICLES LICENCED DURING YEAR	NUMBER OF ACCIDENTS	ACCIDENTS PER 1,000 VEHICLES LICENCED	DEATHS	DEATHS PER 10,000 VEHICLES LICENCED	INJURIES	INJURIES PER 10,000 VEHICLES LICENCED
1977	not available	115,046	n/a	718	n/a	31,942	n/a
1978	not available	112,635	n/a	640	n/a	33,105	n/a
1979	not available	123,863	n/a	738	n/a	37,809	n/a
1980	not available	143,577	n/a	811	n/a	41,500	n/a
1981	not available	127,831*	n/a	859	n/a	44,123	n/a
1982	2,331,760	111,868*	47.98	601	2.58	33,807	144.98
1983	2,339,690	102,065*	43.62	607	2.59	31,855	136.15
1984	2,366,852	98,506*	41.62	525	2.22	32,407	136.92
1985	2,413,725	102,928*	42.64	483	2.00	34,368	142.39
1986	2,483,161	113,042*	45.52	599	2.41	40,378	162.61
1987	2,556,166	114,366*	44.74	622	2.43	41,291	161.53

In 1987 there were 542 fatal accidents in which 622 victims were killed. Also, during this year 41,291 victims were injured in 29,836 casualty producing accidents.

*The number of accidents occurring between 1981 and 1987 cannot be compared to previous years because the reporting level for property damage only accidents was raised January 1, 1981 from $200.00 to $400.00. This has significantly reduced the number of accidents reported since 1981.

The figures involving vehicles licenced were recalculated for all years in 1987, based on vehicles licenced throughout the year, as opposed to vehicles licenced at December 31.

fig. 1


ANNUAL TRAFFIC ACCIDENT CASUALTY RATE
(1983 – 1987)
NUMBER OF VICTIMS
166
164
162
160
158
156
154
152
150
148
146
144
142
140
138
1983
1984
1985
1986
1987
YEAR
PER 10,000 VEHICLES

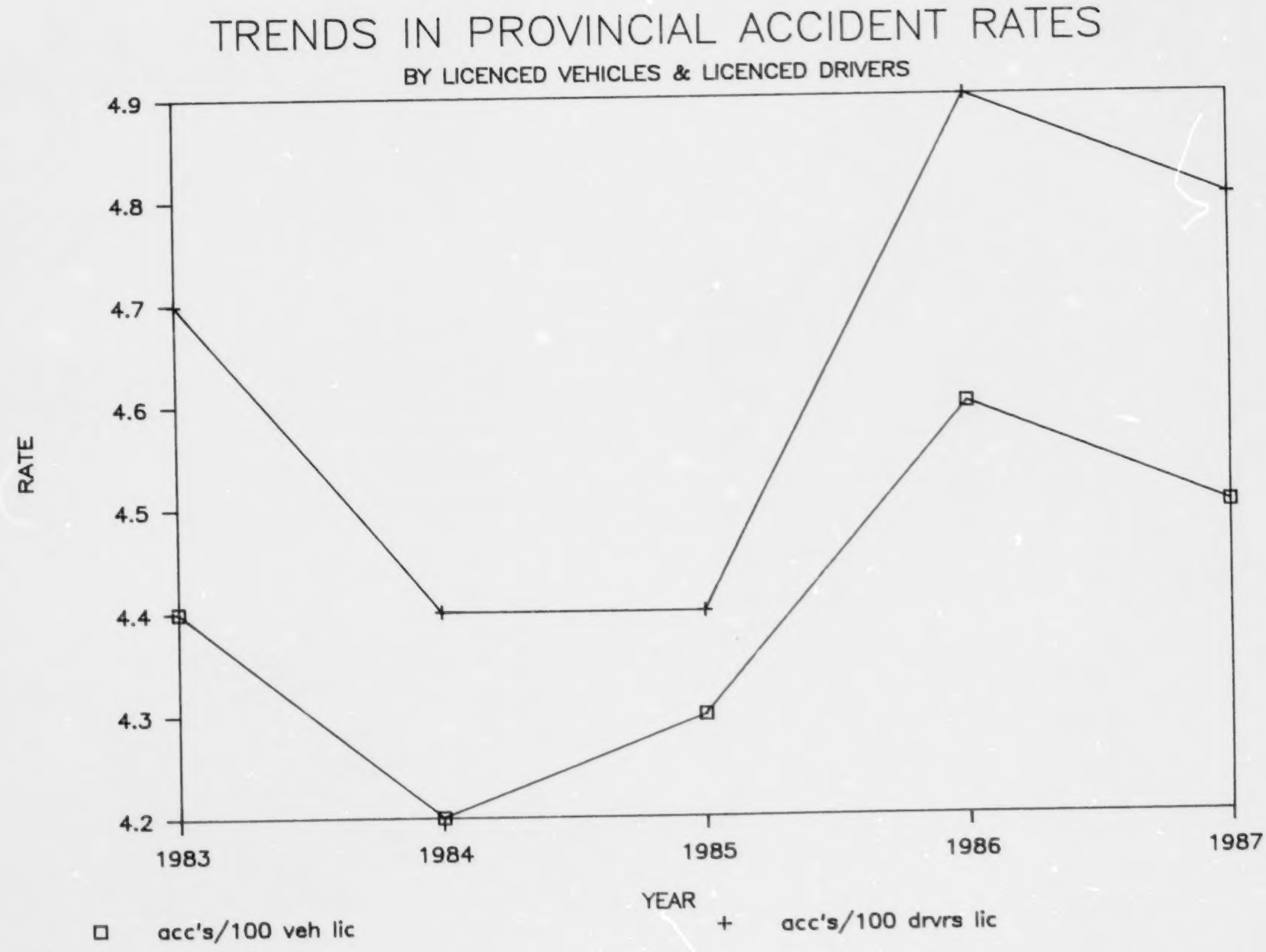

TRENDS IN PROVINCIAL ACCIDENT RATES
BY LICENCED VEHICLES & LICENCED DRIVERS
RATE
4.9
4.8
4.7
4.6
4.5
4.4
4.3
4.2
1983
1984
1985
1986
1987
YEAR
□ acc's/100 veh lic
+ acc's/100 drvrs lic

fig. 2

fig. 3

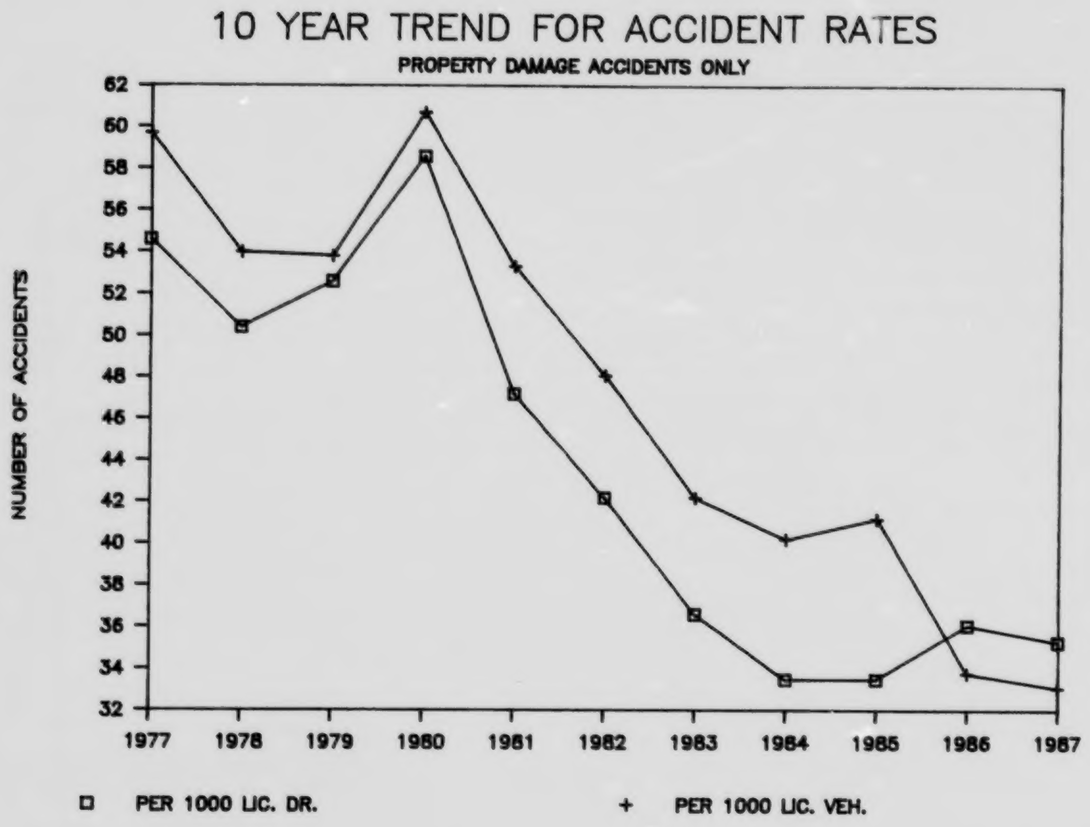

10 YEAR TREND FOR ACCIDENT RATES
PROPERTY DAMAGE ACCIDENTS ONLY
NUMBER OF ACCIDENTS
62
60
58
56
54
52
50
48
46
44
42
40
38
36
34
32
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
PER 1000 LIC. DR.
PER 1000 LIC. VEH.

fig. 4

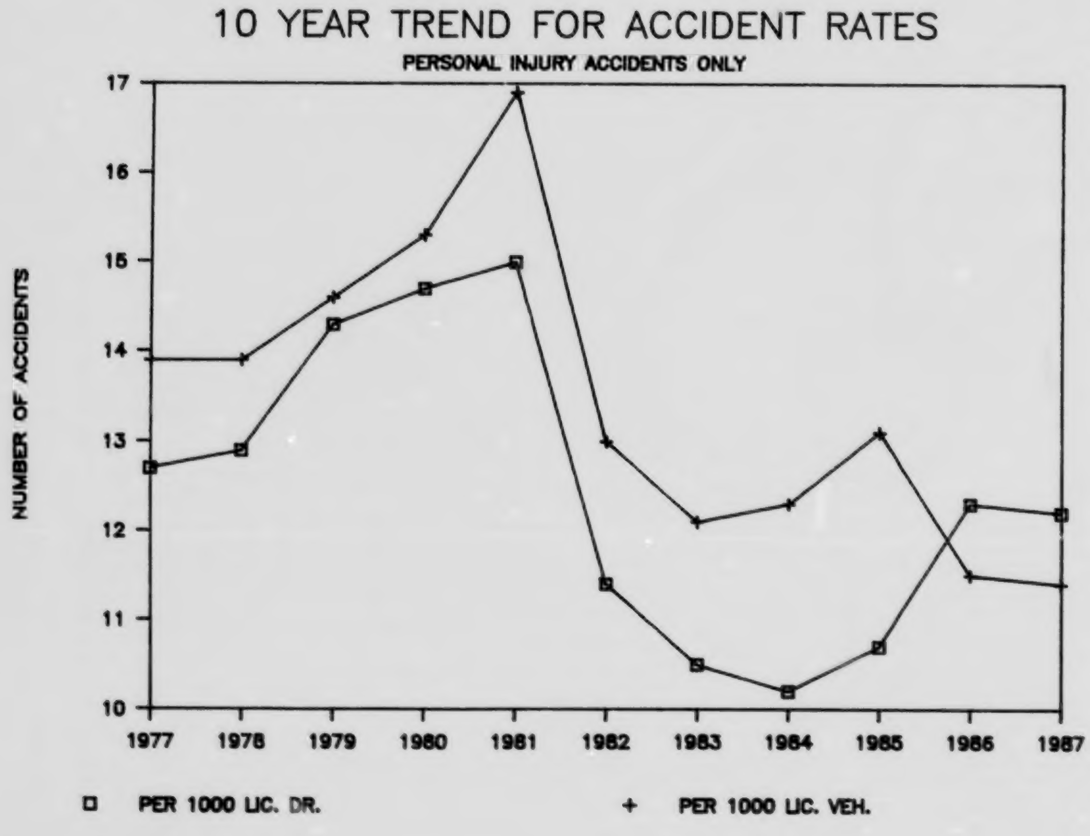

10 YEAR TREND FOR ACCIDENT RATES
PERSONAL INJURY ACCIDENTS ONLY
NUMBER OF ACCIDENTS
17
16
15
14
13
12
11
10
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
PER 1000 LIC. DR.
PER 1000 LIC. VEH.

fig. 5

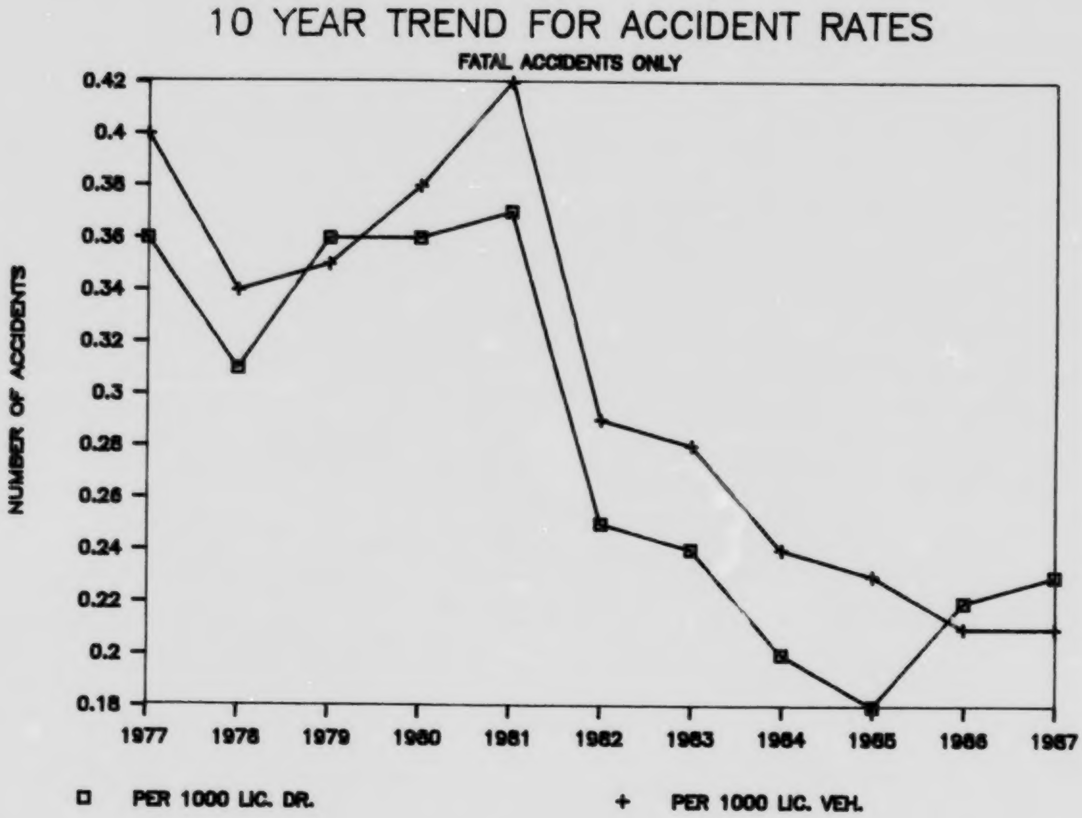
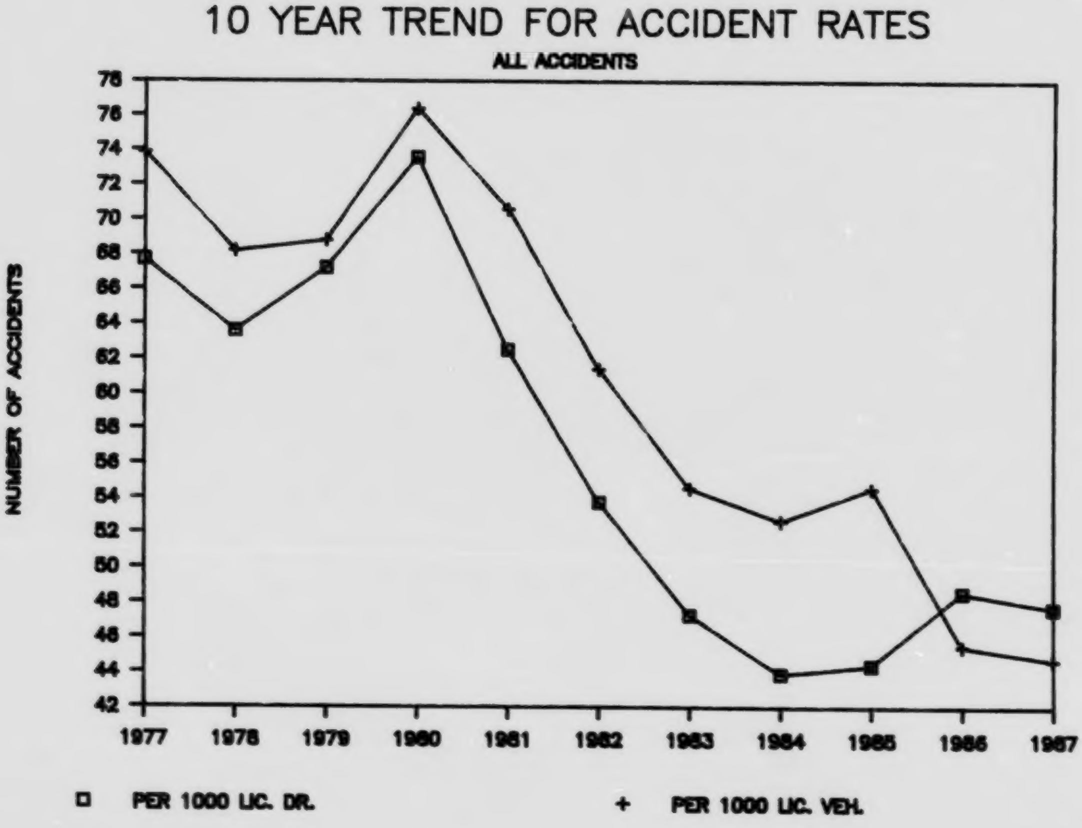
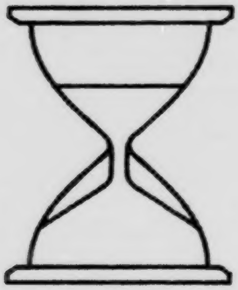

10 YEAR TREND FOR ACCIDENT RATES
FATAL ACCIDENTS ONLY
NUMBER OF ACCIDENTS
0.42
0.4
0.38
0.36
0.34
0.32
0.3
0.28
0.26
0.24
0.22
0.2
0.18
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
PER 1000 LIC. DR.
PER 1000 LIC. VEH.

fig. 6


10 YEAR TREND FOR ACCIDENT RATES
ALL ACCIDENTS
NUMBER OF ACCIDENTS
78
76
74
72
70
68
66
64
62
60
58
56
54
52
50
48
46
44
42
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
PER 1000 LIC. DR.
PER 1000 LIC. VEH.

SECTION 2



TIME OF OCCURRENCE

1987 ACCIDENTS - TIME OF OCCURRENCE

The highest number of accidents in 1987 occurred during the month of December, while the greatest number of casualties was recorded in August. The casualty rate was 43.25 casualties per 100 accidents in August and dropped to 31.05 casualties per 100 accidents in December.

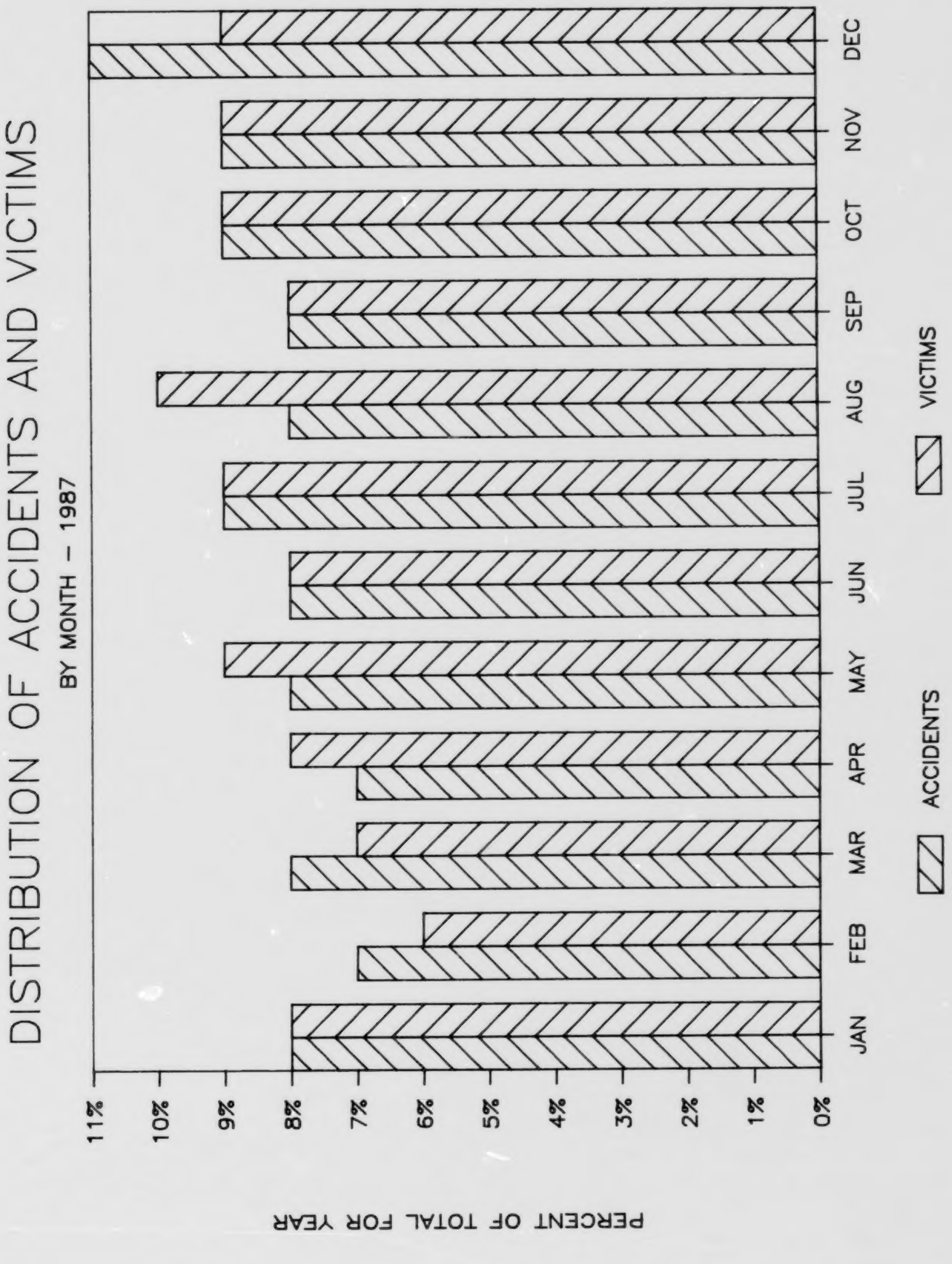
More accidents occurred on Fridays than any other day of the week last year, but the highest number of fatal accidents occurred on Sundays. The peak day for personal injury and property damage only accidents was also Friday.

Twenty-five percent of all injury accidents occurred between 4 and 7 pm in 1987 while the peak time of day for fatal accidents was between 6 and 9 pm, when 20% of all fatal accidents occurred.

1987 ACCIDENTS AND VICTIMS BY MONTH

MONTH	ACCIDENTS				VICTIMS		
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL	TOTAL ACCIDENTS	INJURED	KILLED	TOTAL VICTIMS
JANUARY	7,405	2,275	41	9,721	3,240	47	3,287
FEBRUARY	6,107	1,916	28	8,051	2,621	34	2,655
MARCH	6,536	2,150	23	8,709	3,057	28	3,085
APRIL	6,186	2,252	37	8,475	3,173	45	3,218
MAY	6,502	2,556	56	9,114	3,496	61	3,557
JUNE	6,480	2,474	44	8,998	3,458	48	3,506
JULY	7,139	2,661	50	9,850	3,810	58	3,868
AUGUST	6,697	2,679	65	9,441	4,006	77	4,083
SEPTEMBER	6,527	2,436	54	9,017	3,334	64	3,398
OCTOBER	7,534	2,607	53	10,194	3,747	58	3,805
NOVEMBER	8,125	2,525	48	10,698	3,637	57	3,694
DECEMBER	9,392	2,663	43	12,098	3,712	45	3,757
TOTAL	84,630	29,194	542	114,366	41,291	622	41,913

fig. 7


DISTRIBUTION OF ACCIDENTS AND VICTIMS
BY MONTH - 1987
PERCENT OF TOTAL FOR YEAR
11%
10%
9%
8%
7%
6%
5%
4%
3%
2%
1%
0%
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV
DEC
ACCIDENTS
VICTIMS

1987 ACCIDENTS BY DAY OF WEEK

DAY OF WEEK	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
SUNDAY	9,868	3,600	111	13,579	11.87
MONDAY	11,096	3,814	64	14,974	13.09
TUESDAY	11,423	4,035	56	15,514	13.57
WEDNESDAY	11,333	3,817	65	15,215	13.30
THURSDAY	12,178	4,153	58	16,389	14.33
FRIDAY	15,006	4,990	84	20,080	17.56
SATURDAY	13,726	4,785	104	18,615	16.28
TOTAL	84,630	29,194	542	114,366	100.00

1987 PROPERTY DAMAGE ACCIDENTS BY DAY OF WEEK AND ACCIDENT HOUR

ACCIDENT HOUR	DAY OF WEEK							TOTAL PROPERTY DAMAGE ACCIDENTS
	SUN.	MON.	TUES.	WED.	THURS.	FRI.	SAT.	
Mid. - 1 am	347	174	159	157	203	241	456	1,737
1 am - 2 am	476	107	125	167	202	214	506	1,797
2 am - 3 am	436	89	121	133	184	212	528	1,703
3 am - 4 am	266	53	68	88	97	133	283	988
4 am - 5 am	158	56	40	57	66	82	155	614
5 am - 6 am	107	69	83	61	77	72	127	596
6 am - 7 am	130	158	117	113	155	166	113	952
7 am - 8 am	138	374	384	407	416	386	185	2,290
8 am - 9 am	193	567	562	612	611	590	283	3,418
9 am - 10 am	288	471	496	448	480	543	437	3,163
10 am - 11 am	381	555	602	541	578	613	627	3,897
11 am - Noon	469	654	676	640	669	763	773	4,644
Noon - 1 pm	528	660	696	667	695	821	775	4,842
1 pm - 2 pm	635	644	679	667	683	792	833	4,933
2 pm - 3 pm	567	739	737	702	740	851	864	5,200
3 pm - 4 pm	602	853	888	882	913	1,114	870	6,122
4 pm - 5 pm	624	913	961	913	939	1,190	854	6,394
5 pm - 6 pm	558	808	824	797	844	1,064	785	5,680
6 pm - 7 pm	455	493	587	568	654	808	615	4,180
7 pm - 8 pm	411	455	466	480	539	787	539	3,677
8 pm - 9 pm	382	353	332	378	403	612	480	2,940
9 pm - 10 pm	334	363	365	356	397	642	464	2,921
10 pm - 11 pm	309	265	306	329	320	575	457	2,561
11 pm - Mid.	205	247	245	292	324	586	514	2,413
UNKNOWN	869	976	904	878	989	1,149	1,203	6,968
TOTAL	9,868	11,096	11,423	11,333	12,178	15,006	13,726	84,630

1987 INJURY ACCIDENTS BY DAY OF WEEK AND ACCIDENT HOUR

ACCIDENT HOUR	DAY OF WEEK							TOTAL INJURY ACCIDENTS
	SUN.	MON.	TUES.	WED.	THURS.	FRI.	SAT.	
Mid. - 1 am	59	55	63	49	70	77	89	462
1 am - 2 am	145	59	68	65	96	110	200	743
2 am - 3 am	195	42	68	60	76	88	203	732
3 am - 4 am	204	35	70	68	84	90	224	775
4 am - 5 am	139	24	25	37	47	38	128	438
5 am - 6 am	78	17	14	17	27	28	84	265
6 am - 7 am	51	19	27	22	31	29	84	263
7 am - 8 am	63	56	60	51	69	75	59	433
8 am - 9 am	56	157	163	153	151	143	88	911
9 am - 10 am	76	212	222	202	216	209	96	1,233
10 am - 11 am	74	152	134	125	144	181	140	950
11 am - Noon	121	157	174	138	157	178	186	1,111
Noon - 1 pm	140	204	200	167	216	201	231	1,359
1 pm - 2 pm	213	212	234	216	219	252	256	1,602
2 pm - 3 pm	221	220	210	251	217	242	274	1,635
3 pm - 4 pm	203	257	246	241	231	288	299	1,765
4 pm - 5 pm	257	336	354	336	365	446	293	2,387
5 pm - 6 pm	210	393	350	356	399	416	314	2,438
6 pm - 7 pm	266	327	366	337	306	430	312	2,344
7 pm - 8 pm	200	237	272	233	266	311	287	1,806
8 pm - 9 pm	176	174	213	212	228	283	225	1,511
9 pm - 10 pm	161	147	153	143	141	249	179	1,173
10 pm - 11 pm	106	118	136	137	141	225	163	1,026
11 pm - Mid.	114	121	113	114	129	193	182	966
UNKNOWN	72	83	100	87	127	208	189	866
TOTAL	3,600	3,814	4,035	3,817	4,153	4,990	4,785	29,194

1987 FATAL ACCIDENTS BY DAY OF WEEK AND ACCIDENT HOUR

ACCIDENT HOUR	DAY OF WEEK							TOTAL FATAL ACCIDENTS
	SUN.	MON.	TUES.	WED.	THURS.	FRI.	SAT.	
Mid. - 1 am	3	3	0	1	1	2	3	13
1 am - 2 am	6	3	1	0	2	3	8	23
2 am - 3 am	4	0	3	2	5	3	7	24
3 am - 4 am	10	2	2	5	3	4	7	33
4 am - 5 am	4	2	1	0	2	2	2	13
5 am - 6 am	5	1	1	3	0	2	2	14
6 am - 7 am	1	2	2	2	0	0	1	8
7 am - 8 am	1	3	0	1	2	2	1	10
8 am - 9 am	2	0	0	4	0	3	4	13
9 am - 10 am	0	5	2	2	1	3	4	17
10 am - 11 am	2	1	1	2	1	1	3	11
11 am - Noon	2	0	0	3	6	0	4	15
Noon - 1 pm	3	2	1	2	2	5	1	16
1 pm - 2 pm	2	2	5	5	2	2	6	24
2 pm - 3 pm	0	2	4	4	2	3	5	20
3 pm - 4 pm	8	7	3	4	3	5	1	31
4 pm - 5 pm	4	2	5	4	4	2	5	26
5 pm - 6 pm	6	2	3	2	2	5	7	27
6 pm - 7 pm	13	6	3	5	5	3	4	39
7 pm - 8 pm	8	2	2	3	8	5	5	33
8 pm - 9 pm	9	6	6	3	0	7	4	35
9 pm - 10 pm	6	4	3	1	3	3	6	26
10 pm - 11 pm	4	4	1	3	1	8	3	24
11 pm - Mid.	4	2	3	0	1	7	3	20
UNKNOWN	4	1	4	4	2	4	8	27
TOTAL	111	64	56	65	58	84	104	542

SECTION 3

MAJOR CONTRIBUTING FACTORS

MAJOR CONTRIBUTING FACTORS

Contributing factors are those circumstances or events that the attending police officer perceives to directly contribute to a traffic accident. The Traffic Investigation Report permits up to three contributing factors or causes to be attributed to each vehicle or driver involved in an accident. These factors are listed in order of importance on the accident report.

The figures in this set of tables represent the first identified contributing factor for each driver/vehicle in those accidents for which the police have assigned a cause.

In 1987, 78,899 factors were identified as contributing to 114,366 traffic accidents. Approximately 30% of accidents were not assigned causal factors.

Over 80% of the factors identified were related to human action or human condition.

Major causes (priorized in report 3.6) of accidents in 1987 were (1) driving without due care; (2) failing to yield right-of-way; (3) alcohol involvement; (4) backing unsafely; (5) following too closely; (6) driving at unsafe speed.

Alcohol was the major cause of fatal accidents, representing over 30% of the assigned factors.

MAJOR CONTRIBUTING FACTORS IN 1987 ACCIDENTS

BY CATEGORY

CONTRIBUTING FACTOR CATEGORY	ACCIDENT TYPE			TOTAL FACTORS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
HUMAN ACTION	36,103	17,434	287	53,824	68.22
ENVIRONMENTAL CONDITION	9,138	2,845	36	12,019	15.23
HUMAN CONDITION	6,153	4,634	202	10,989	13.93
VEHICLE CONDITION	1,440	620	7	2,067	2.62
TOTAL	52,834	25,533	532	78,899	100.00

1987 ACCIDENTS WHERE HUMAN CONDITION WAS THE MAJOR CONTRIBUTING FACTOR

HUMAN CONDITION FACTORS	ACCIDENT TYPE			TOTAL FACTORS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
ALCOHOL INVOLVEMENT	3,884	3,184	172	7,240	65.88
DRIVER INEXPERIENCE	1,743	931	9	2,683	24.42
FELL ASLEEP	241	239	14	494	4.50
FATIGUE	127	110	4	241	2.19
ILLNESS	44	59	0	103	0.94
UNCONSCIOUS	45	54	1	100	0.91
ILLEGAL DRUGS	27	17	1	45	0.41
MEDICATION (LEGAL DRUGS)	17	17	0	34	0.31
PHYSICAL DISABILITY	17	12	0	29	0.26
SUICIDE ATTEMPT	8	11	1	20	0.18
TOTAL	6,153	4,634	202	10,989	100.00

1987 ACCIDENTS WHERE HUMAN ACTION WAS THE MAJOR CONTRIBUTING FACTOR

HUMAN ACTION FACTORS	ACCIDENT TYPE			TOTAL FACTORS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
DRIVING WITHOUT DUE CARE	10,347	5,879	84	16,310	30.30
FAILING TO YIELD RIGHT OF WAY	7,100	4,043	33	11,176	20.76
BACKING UNSAFELY	5,758	270	2	6,030	11.20
FOLLOWING TOO CLOSELY	3,238	2,065	3	5,306	9.86
DRIVING AT UNSAFE SPEED	3,253	1,944	81	5,278	9.81
IGNORING TRAFFIC CONTROL DEVICE	1,429	1,145	15	2,589	4.81
IMPROPER TURNING	1,435	449	5	1,889	3.51
CUTTING IN	1,058	354	3	1,415	2.63
IMPROPER PASSING	795	301	6	1,102	2.05
DRIVING ON WRONG SIDE OF ROAD	463	364	26	853	1.59
DRIVERLESS VEHICLE	713	59	3	775	1.44
PEDESTRIAN ERROR/ CONFUSION	37	381	20	438	0.81
AVOIDING VEH/PED/CYCLE	262	95	5	362	0.67
FAILING TO SIGNAL	203	74	1	278	0.52
IGNORING OFFICER/ FLAGMAN/GUARD	12	11	0	23	0.04
TOTAL	36,103	17,434	287	53,824	100.00

1987 ACCIDENTS WHERE ENVIRONMENTAL CONDITION WAS THE MAJOR CONTRIBUTING FACTOR

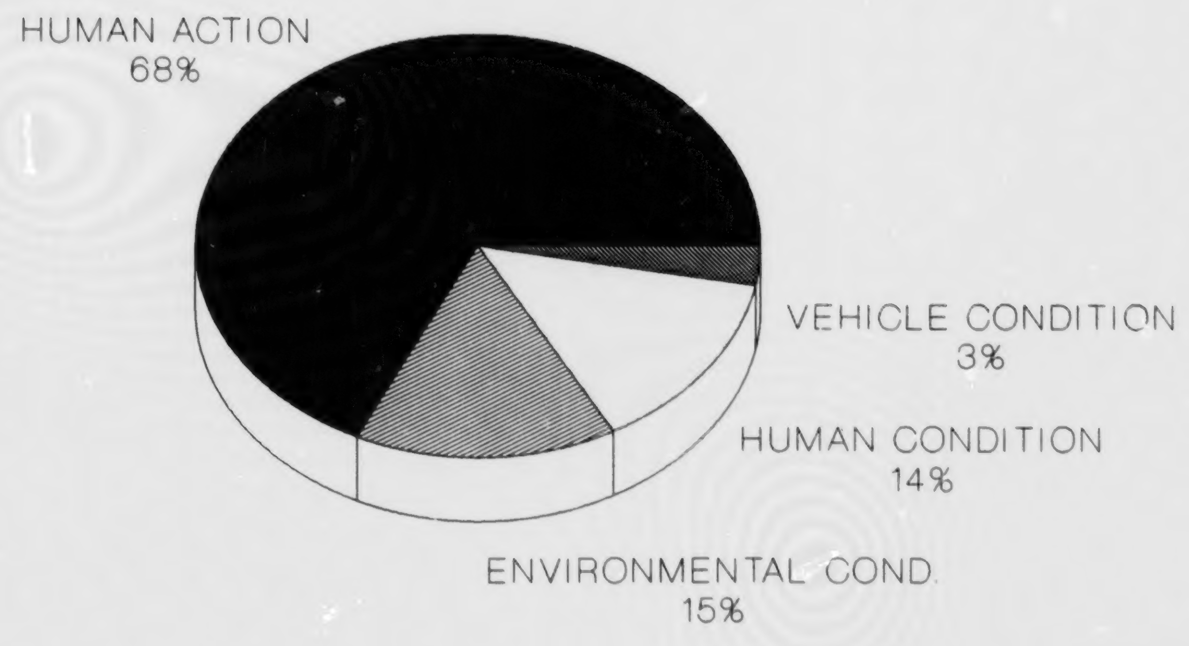
ENVIRONMENTAL FACTORS	ACCIDENT TYPE			TOTAL FACTORS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
WEATHER CONDITION	3,320	1,301	18	4,639	38.60
WILD ANIMAL	3,072	344	1	3,417	28.43
VISIBILITY IMPAIRED	699	379	3	1,081	8.99
DOMESTIC ANIMAL	541	146	3	690	5.74
OBSTRUCTION/DEBRIS ON ROAD	433	138	1	572	4.76
ROAD MAINTENANCE/ CONSTRUCTION	318	134	3	455	3.79
SUNLIGHT GLARE	164	118	1	283	2.36
(RESULT OF) DIRECTLY PRECEDING ACCIDENT	176	81	2	259	2.16
PAVEMENT CONDITION	169	78	2	249	2.07
ROAD/INTERSECTION DESIGN	83	45	0	128	1.06
ROADSIDE HAZARD	81	23	1	105	0.87
INSUFFICIENT TRAFFIC CONTROL	43	26	1	70	0.58
ARTIFICIAL GLARE	28	23	0	51	0.42
SIGN OBSTRUCTION	11	9	0	20	0.17
TOTAL	9,138	2,845	36	12,019	100.00

1987 ACCIDENTS WHERE VEHICLE CONDITION WAS THE MAJOR CONTRIBUTING FACTOR

VEHICLE DEFECT/FAILURE	ACCIDENT TYPE			TOTAL FACTORS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
BRAKES	444	197	3	644	31.16
TIRES	256	110	2	368	17.80
INSECURE LOAD	147	35	0	182	8.81
ENGINE	88	34	1	123	5.95
HEADLIGHTS	47	75	1	123	5.95
STEERING	78	43	0	121	5.85
BRAKE LIGHTS	59	31	0	90	4.35
ACCELERATOR	58	31	0	89	4.31
TOW HITCH	78	8	0	86	4.16
OVERSIZE VEHICLE	74	9	0	83	4.01
TURN SIGNALS	51	22	0	73	3.53
SUSPENSION	30	14	0	44	2.13
RESTRAINT SYSTEM	13	5	0	18	0.87
MODIFIED VEHICLE	12	2	0	14	0.68
WINDSHIELD	5	3	0	8	0.39
DANGEROUS GOODS	0	1	0	1	0.05
TOTAL	1,440	620	7	2,067	100.00

fig. 8

MAJOR CONTRIBUTING FACTORS
IN MOTOR VEHICLE ACCIDENTS - 1987



MAJOR CONTRIBUTING FACTORS IN 1987 ACCIDENTS IN ORDER OF MAGNITUDE

CONTRIBUTING FACTORS	ACCIDENT TYPE			TOTAL FACTORS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
DRIVING WITHOUT DUE CARE	10,347	5,879	84	16,310	20.67
FAILING TO YIELD RIGHT OF WAY	7,100	4,043	33	11,176	14.16
ALCOHOL INVOLVEMENT	3,884	3,184	172	7,240	9.18
BACKING UNSAFELY	5,758	270	2	6,030	7.64
FOLLOWING TOO CLOSELY	3,238	2,065	3	5,306	6.73
DRIVING AT UNSAFE SPEED	3,253	1,944	81	5,278	6.70
WEATHER CONDITION	3,320	1,301	18	4,639	5.88
WILD ANIMAL	3,072	344	1	3,417	4.33
DRIVER INEXPERIENCE	1,743	931	9	2,683	3.40
IGNORING TRAFFIC CONTROL DEVICE	1,429	1,145	15	2,589	3.28
IMPROPER TURNING	1,435	449	5	1,889	2.39
CUTTING IN	1,058	354	3	1,415	1.79
IMPROPER PASSING	795	301	6	1,102	1.40
VISIBILITY IMPAIRED	699	379	3	1,081	1.37
DRIVING ON WRONG SIDE OF ROAD	463	364	26	853	1.08
OTHER	5,240	2,580	71	7,891	10.00
TOTAL	52,834	25,533	532	78,899	100.00

NOTE: "OTHER" includes factors with less than 800 occurrences.

MAJOR CONTRIBUTING FACTORS BY DRIVER AGE IN 1987 ACCIDENTS

CONTRIBUTING FACTORS	DRIVER AGE															
	UNDER 16	16	17	18	19	20	21-25	26-30	31-40	41-50	51-60	61-70	OVER 70	UNKNOWN	TOTAL	% OF TOTAL
DRIVING WITHOUT DUE CARE	229	614	890	862	789	674	2,548	1,738	2,240	1,293	904	720	585	2,216	16,302	18.74
FAILING TO YIELD RIGHT OF WAY	89	256	410	393	360	326	1,549	1,200	1,987	1,229	1,055	1,015	902	345	11,116	12.78
ALCOHOL INVOLVEMENT	17	55	180	247	332	341	1,579	1,191	1,488	663	315	153	47	489	7,097	8.16
BACKING UNSAFELY	17	168	223	201	169	174	733	617	1,050	657	497	325	250	948	6,029	6.93
FOLLOWING TOO CLOSELY	4	119	234	239	297	245	950	727	1,045	558	375	210	142	160	5,305	6.10
UNSAFE SPEED	21	251	365	373	416	320	1,162	680	748	353	226	130	54	178	5,277	6.07
WEATHER CONDITION	4	97	144	190	194	173	776	664	1,016	614	387	215	103	49	4,626	5.32
WILD ANIMAL	1	33	50	87	98	110	519	493	874	581	317	190	58	6	3,417	3.93
DRIVER INEXPERIENCE	142	560	399	289	182	120	346	170	210	101	61	50	20	32	2,682	3.08
IGNORING TRAFFIC CONTROL DEVICE	43	74	88	133	97	93	381	324	424	247	192	212	174	96	2,578	2.96
IMPROPER TURNING	15	40	66	73	58	58	272	204	334	230	174	164	123	78	1,889	2.17
CUTTING IN	26	30	50	43	57	34	185	160	202	132	127	113	73	180	1,412	1.62
IMPROPER PASSING	4	31	59	47	61	46	214	115	189	101	79	56	36	64	1,102	1.27
IMPAIRED VISIBILITY	7	19	28	29	48	32	148	148	267	155	89	53	36	12	1,071	1.23
DRIVING ON WRONG SIDE OF ROAD	55	20	22	39	32	33	112	86	141	72	41	28	35	137	853	0.98
NO DRIVER	0	0	3	4	2	3	10	15	15	9	7	7	1	699	775	0.89
DOMESTIC ANIMAL	0	19	38	43	38	33	123	93	142	73	47	22	13	6	690	0.79
DEFECTIVE BRAKES	9	16	30	22	35	30	118	74	94	40	39	28	9	100	644	0.74
OBSTRUCTION/DEBRIS ON ROAD	0	7	18	24	26	31	103	86	123	70	38	25	16	5	572	0.66
OTHER	154	252	378	480	489	466	1,973	1,711	2,654	1,553	1,079	708	488	1,169	13,554	15.58
TOTAL	837	2,661	3,675	3,818	3,780	3,342	13,801	10,496	15,243	8,731	6,049	4,424	3,165	6,969	86,991	100.00

NOTE: This report represents first contributing factors attributed to drivers only - pedestrians are not included. "OTHER" includes those factors with less than 500 occurrences, as well as those unspecified factors not recorded in reports 3.1 to 3.5.

2 YEAR COMPARISON OF MAJOR CONTRIBUTING FACTORS IN FATAL ACCIDENTS

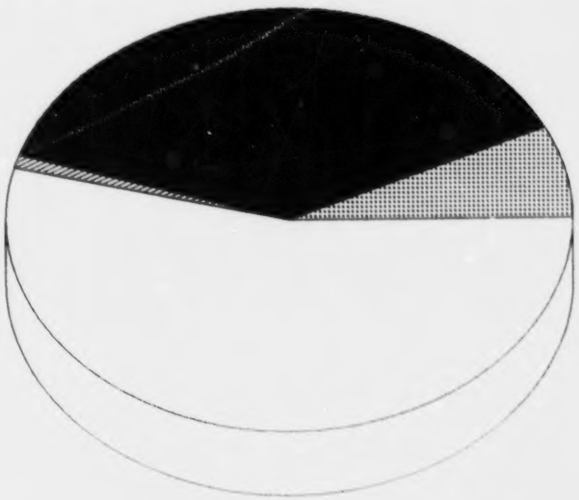
CONTRIBUTING FACTORS	1987		1986	
	TOTAL FACTORS	PERCENT OF TOTAL	TOTAL FACTORS	PERCENT OF TOTAL
ALCOHOL INVOLVEMENT	172	30.07	191	36.38
DRIVING WITHOUT DUE CARE	84	14.68	69	13.14
DRIVING AT UNSAFE SPEED	81	14.16	85	16.19
FAILING TO YIELD RIGHT OF WAY	33	5.77	35	6.67
DRIVING ON WRONG SIDE OF ROAD	26	4.55	19	3.62
PEDESTRIAN ERROR/CONFUSION	20	3.50	16	3.05
WEATHER	18	3.15	24	4.57
IGNORING TRAFFIC CONTROL DEVICE	15	2.62	12	2.28
FELL ASLEEP	14	2.45	7	1.33
DRIVER INEXPERIENCE	9	1.57	14	2.67
IMPROPER PASSING	6	1.05	11	2.10
AVOIDING VEH/PED/CYCLE	5	0.87	N/A*	N/A*
IMPROPER TURNING	5	0.87	2	0.38
OTHER	84	14.69	40	7.62
TOTAL	572	100.00	525	100.00

* This factor was introduced in 1987.

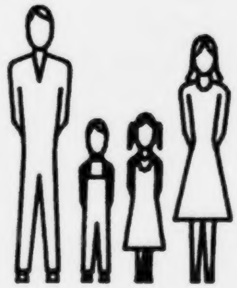
NOTE: In 1987 572 contributing factors were identified as contributing to 542 fatal traffic accidents.
In 1986 525 contributing factors were identified as contributing to 428 fatal traffic accidents.

fig. 9

MAJOR CONTRIBUTING FACTORS IN 1987 FATAL ACCIDENTS



SECTION 4



VICTIMS

VICTIMS IN 1987 ACCIDENTS

The number of persons killed during 1987 increased by 4% from 1986 while the number of persons injured increased by 2%.

Of the 41,913 victims injured and killed during 1987, 56% were male and 43% female. Less than 1% were unidentified as to sex.

Seventy-one percent of all fatal victims were male, 29 percent were female.

Twenty percent of all persons injured or killed were between the ages of 16 and 20; 17% were between the ages of 21 and 25. Approximately 2% were under the age of 6.

Forty percent of the fatal victims in 1987 were drivers; 28% were passengers in a motor vehicle; 16% pedestrians; bicyclists comprised 3%; motorcycle drivers and passengers made up 10%.

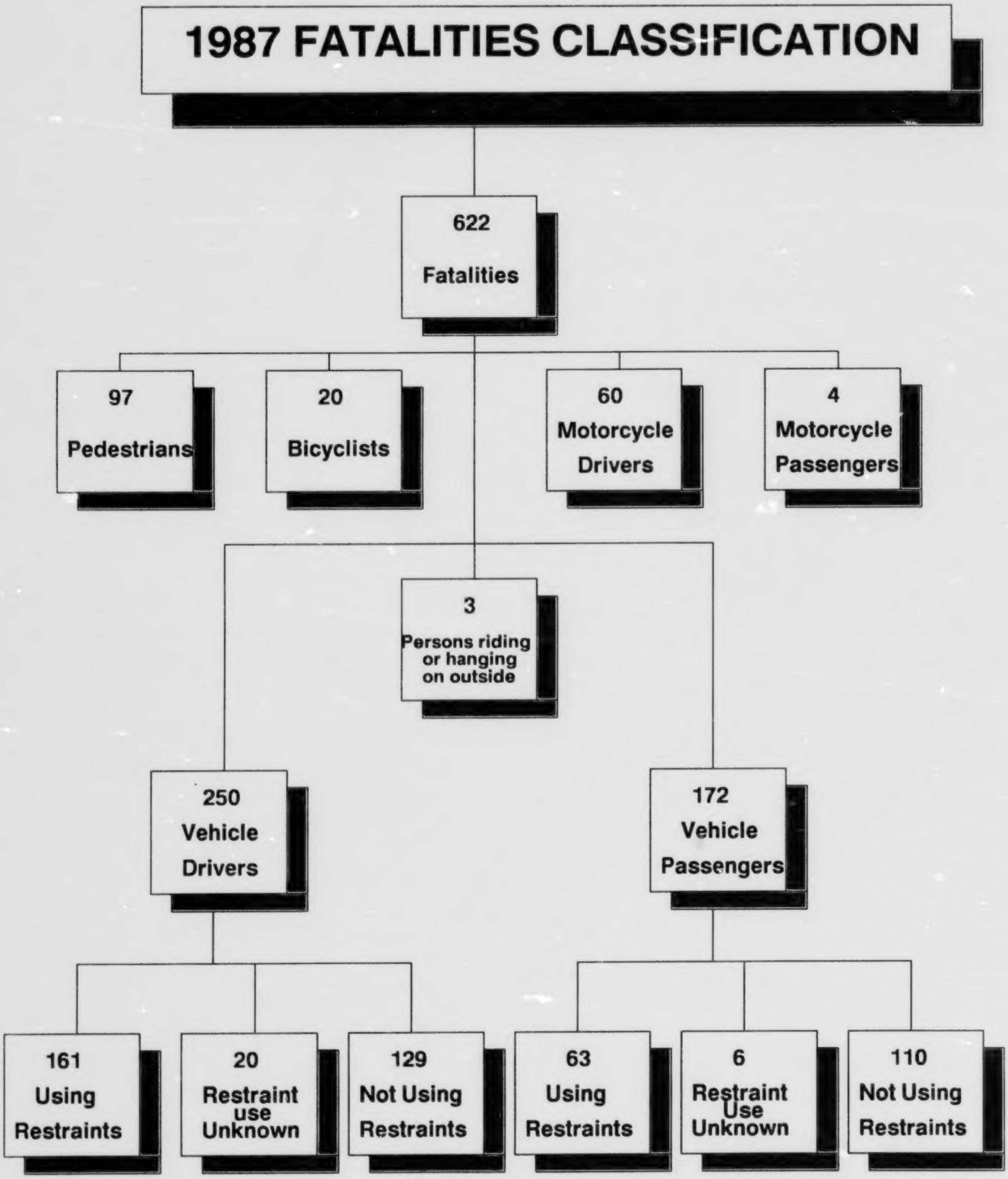
Motorcycle drivers killed increased by 22% while motorcycle passengers killed decreased by half.

1987 FATAL VICTIMS BY ROAD USER CLASS BY MONTH

MONTH	ROAD USER CLASS							TOTAL VICTIMS	PERCENT OF TOTAL
	DRIVER	PASSENGER	PEDESTRIAN	BICYCLIST	MOTORCYCLE DRIVER	MOTORCYCLE PASSENGER	OTHER/ UNKNOWN		
JANUARY	19	17	11	0	0	0	0	47	7.56
FEBRUARY	13	9	8	0	2	0	2	34	5.47
MARCH	11	7	4	2	2	1	1	28	4.50
APRIL	16	14	8	0	5	0	2	45	7.23
MAY	27	13	9	3	7	0	2	61	9.81
JUNE	15	16	6	2	9	0	0	48	7.72
JULY	23	20	4	3	8	0	0	58	9.32
AUGUST	29	21	6	3	14	1	3	77	12.38
SEPTEMBER	27	17	5	5	8	1	1	64	10.29
OCTOBER	23	15	15	1	2	0	2	58	9.32
NOVEMBER	23	15	12	1	2	1	3	57	9.17
DECEMBER	24	11	9	0	1	0	0	45	7.23
TOTAL	250	175	97	20	60	4	16	622	100.00

NOTE: **PASSENGER** includes those persons "hanging on" to a vehicle, (3 in 1987)
BICYCLIST includes both drivers and passengers on a bicycle, (20 drivers, 0 passengers in 1987)

fig. 10



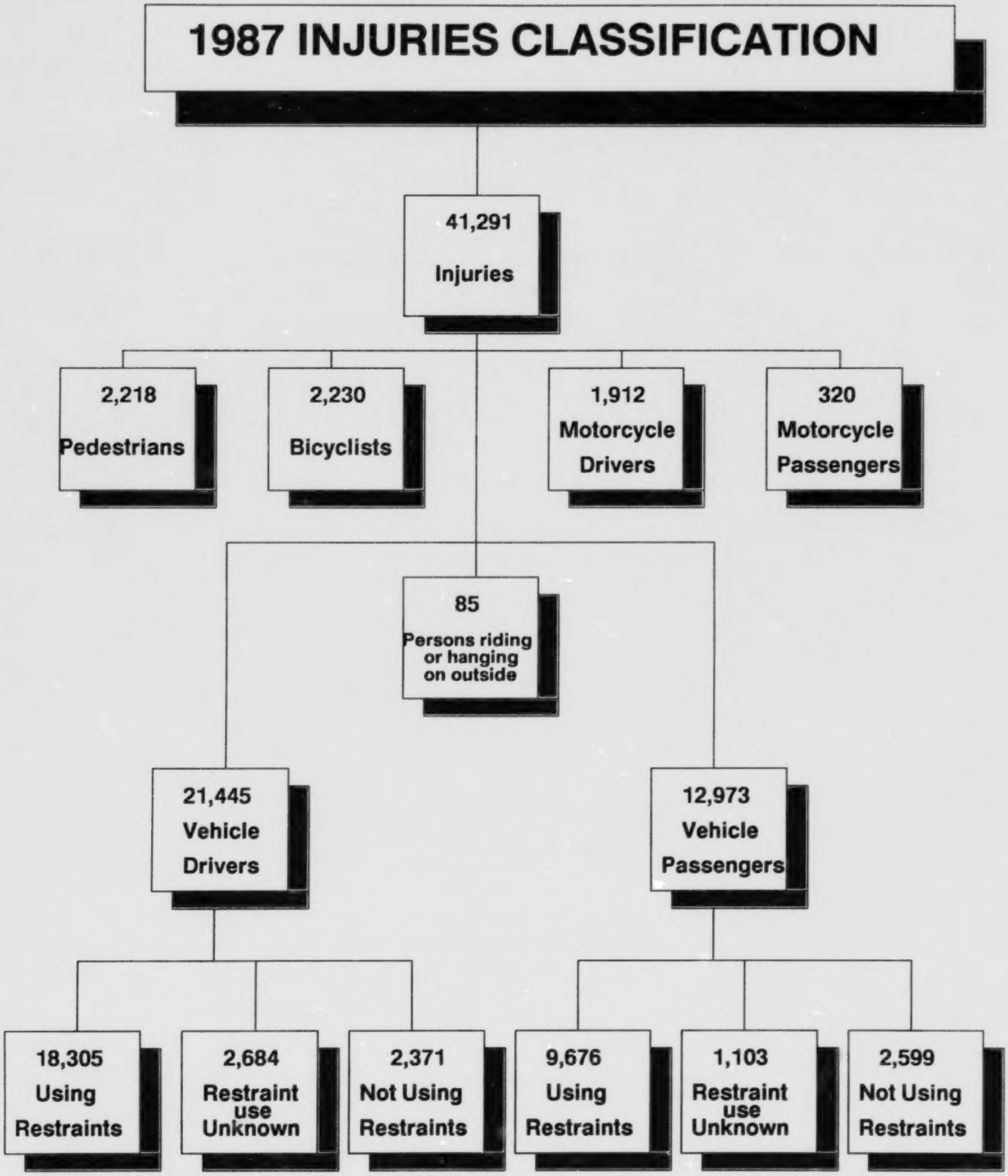
1987 FATALITIES CLASSIFICATION
622 Fatalities
97 Pedestrians
20 Bicyclists
60 Motorcycle Drivers
4 Motorcycle Passengers
3 Persons riding or hanging on outside
250 Vehicle Drivers
172 Vehicle Passengers
161 Using Restraints
20 Restraint use Unknown
129 Not Using Restraints
63 Using Restraints
6 Restraint Use Unknown
110 Not Using Restraints

1987 INJURED VICTIMS BY ROAD USER CLASS BY MONTH

MONTH	ROAD USER CLASS							TOTAL VICTIMS	PERCENT OF TOTAL
	DRIVER	PASSENGER	PEDESTRIAN	BICYCLIST	MOTORCYCLE DRIVER	MOTORCYCLE PASSENGER	OTHER/ UNKNOWN		
JANUARY	1,776	1,109	216	96	38	5	0	3,240	7.85
FEBRUARY	1,506	804	168	74	55	11	3	2,621	6.35
MARCH	1,644	988	180	127	96	16	6	3,057	7.40
APRIL	1,631	992	186	190	140	32	2	3,173	7.68
MAY	1,784	1,029	167	250	229	32	5	3,496	8.47
JUNE	1,594	1,065	152	302	283	52	10	3,458	8.38
JULY	1,827	1,229	152	269	280	37	16	3,810	9.23
AUGUST	1,865	1,325	160	294	290	58	14	4,006	9.70
SEPTEMBER	1,660	939	164	273	241	45	12	3,334	8.07
OCTOBER	2,003	1,153	200	191	159	23	18	3,747	9.07
NOVEMBER	2,059	1,187	210	99	67	4	11	3,637	8.81
DECEMBER	2,096	1,238	263	65	34	5	11	3,712	8.99
TOTAL	21,445	13,058	2,218	2,230	1,912	320	108	41,291	100.00

NOTE: **PASSENGER** includes those persons "hanging on" to a vehicle, (85 in 1987)
BICYCLIST includes both drivers and passengers on a bicycle, (2,182 drivers; 48 passengers in 1987)

fig. 11


1987 INJURIES CLASSIFICATION
41,291 Injuries
2,218 Pedestrians
2,230 Bicyclists
1,912 Motorcycle Drivers
320 Motorcycle Passengers
85 Persons riding or hanging on outside
21,445 Vehicle Drivers
12,973 Vehicle Passengers
18,305 Using Restraints
2,684 Restraint use Unknown
2,371 Not Using Restraints
9,676 Using Restraints
1,103 Restraint use Unknown
2,599 Not Using Restraints

VICTIMS KILLED BY ROAD USER CLASS BY AGE

VICTIM AGE	ROAD USER CLASS								
	DRIVER	PASSENGER	PEDESTRIAN	BICYLIST	MOTORCYLE DRIVER	MOTORCYCLE PASSENGER	OTHER/ UNKNOWN	TOTAL VICTIMS	PERCENT OF TOTAL
1	0	4	1	0	0	0	2	7	1.13
2	0	1	0	0	0	0	0	1	0.16
3	0	1	2	1	0	0	0	4	0.64
4	0	4	2	0	0	0	0	6	0.96
5	0	2	1	0	0	0	0	3	0.48
6 - 10	0	4	3	5	0	0	0	12	1.93
11 - 15	0	3	4	5	2	0	1	15	2.41
16	7	6	2	0	1	1	1	18	2.89
17	10	6	2	0	2	0	0	20	3.22
18	13	8	0	1	0	1	0	23	3.70
19	12	6	1	0	4	0	0	23	3.70
20	6	10	2	0	2	0	1	21	3.38
21 - 25	39	26	11	1	17	0	2	96	15.43
26 - 30	33	25	3	2	9	1	3	76	12.22
31 - 35	22	12	5	1	11	0	3	54	8.68
36 - 40	17	6	7	0	5	1	2	38	6.11
41 - 45	16	3	2	0	3	0	1	25	4.02
46 - 50	15	8	7	0	2	0	0	32	5.14
51 - 55	13	7	3	0	1	0	0	24	3.86
56 - 60	12	9	7	2	1	0	0	31	4.98
61 - 65	8	6	8	1	0	0	0	23	3.70
66 - 70	5	6	7	1	0	0	0	19	3.05
71 - 75	10	4	6	0	0	0	0	20	3.22
76 - 80	5	1	2	0	0	0	0	8	1.29
81 - 85	5	0	7	0	0	0	0	12	1.93
86 - 90	1	6	2	0	0	0	0	9	1.45
91 - 95	1	0	0	0	0	0	0	1	0.16
OVER 95	0	0	0	0	0	0	0	0	0.00
UNKNOWN	0	1	0	0	0	0	0	1	0.16
TOTAL	250	175	97	20	60	4	16	622	100.00

NOTE: **PASSENGER** includes those persons "hanging on" to a vehicle. **BICYCLIST** includes both drivers and passengers on a bicycle.

VICTIM AGE	ROAD USER CLASS							TOTAL VICTIMS	PERCENT OF TOTAL
	DRIVER	PASSENGER	PEDESTRIAN	BICYLIST	MOTORCYCLE DRIVER	MOTORCYCLE PASSENGER	OTHER/ UNKNOWN		
1	0	111	9	1	0	0	1	122	0.30
2	1	97	14	0	1	0	1	114	0.28
3	2	109	30	5	0	0	2	148	0.36
4	0	134	29	17	0	1	2	183	0.44
5	4	131	34	20	0	1	1	191	0.46
6 - 10	2	657	177	273	3	4	14	1,130	2.74
11 - 15	49	929	197	502	21	28	19	1,745	4.23
16	486	549	61	111	39	19	3	1,268	3.07
17	742	722	40	92	72	25	4	1,697	4.11
18	876	586	54	94	110	15	2	1,737	4.21
19	903	569	45	97	138	20	1	1,773	4.29
20	861	510	44	83	137	23	2	1,660	4.02
21 - 25	3,870	1,914	223	368	534	77	17	7,003	16.96
26 - 30	3,057	1,201	196	212	306	40	8	5,020	12.16
31 - 35	2,507	765	155	120	224	22	4	3,797	9.20
36 - 40	2,154	592	153	52	150	8	7	3,116	7.55
41 - 45	1,467	445	100	37	60	4	5	2,118	5.13
46 - 50	1,115	406	80	27	35	5	2	1,670	4.04
51 - 55	929	326	85	12	28	2	1	1,383	3.35
56 - 60	751	344	76	18	24	1	2	1,216	2.94
61 - 65	585	318	87	7	11	1	3	1,012	2.45
66 - 70	440	264	71	6	9	0	0	790	1.91
71 - 75	332	183	63	6	4	0	0	588	1.42
76 - 80	177	117	56	2	1	0	0	353	.85
81 - 85	67	55	35	1	0	0	0	158	.38
86 - 90	14	22	15	1	0	0	0	52	.13
91 - 95	0	6	3	0	0	0	0	9	.02
OVER 95	1	3	0	0	0	0	0	4	.01
UNKNOWN	53	993	86	66	5	24	7	1,234	2.99
TOTAL	21,445	13,058	2,218	2,230	1,912	320	108	41,291	100.00

NOTE: **PASSENGER** includes those persons "hanging on" to a vehicle. **BICYCLIST** includes both drivers and passengers on a

Illegal width.

VICTIMS INJURED AND KILLED BY ROAD USER CLASS BY AGE

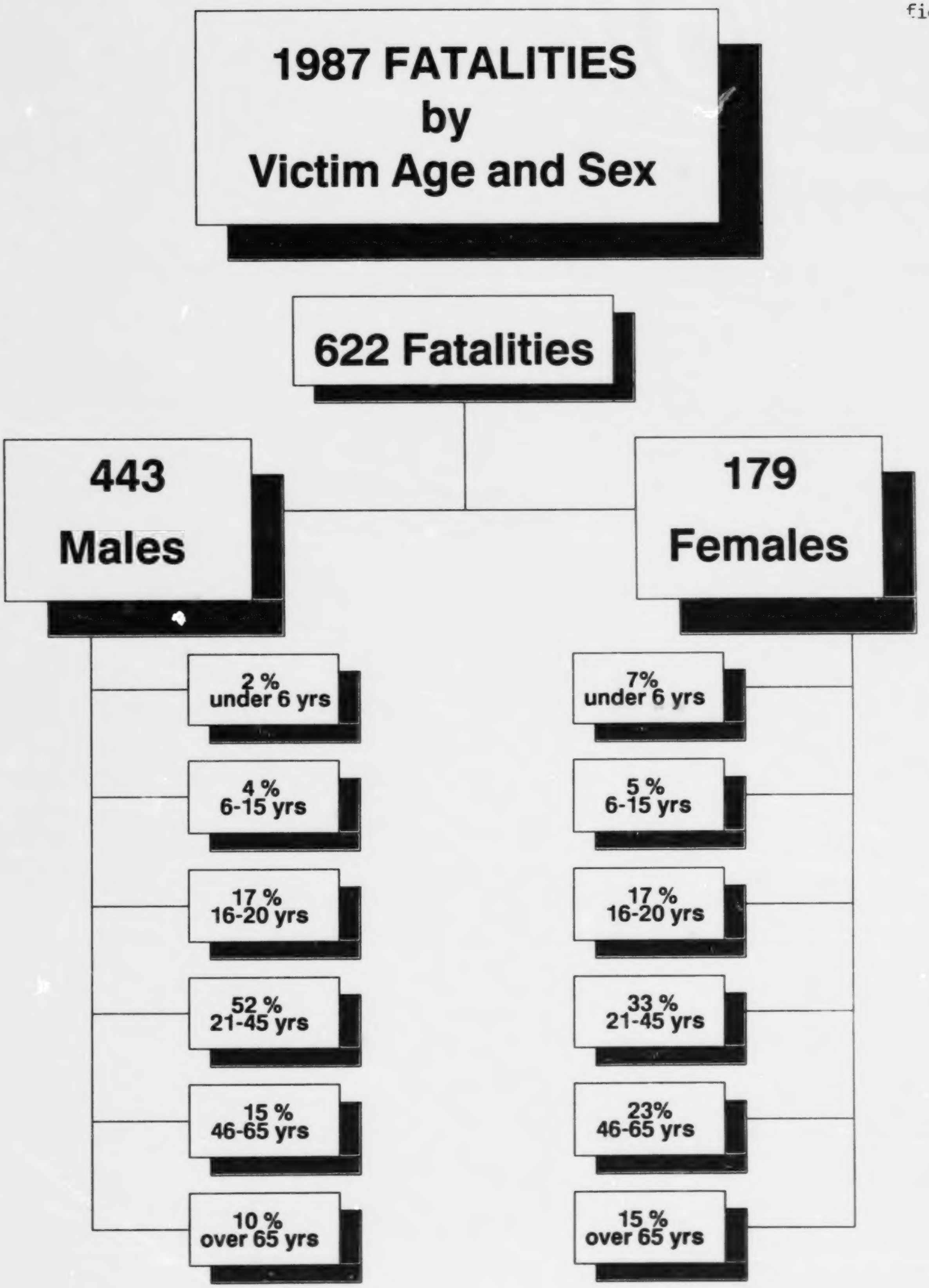
VICTIM AGE	ROAD USER CLASS								
	DRIVER	PASSENGER	PEDESTRIAN	BICYCLIST	MOTORCYCLE DRIVER	MOTORCYCLE PASSENGER	OTHER/ UNKNOWN	TOTAL VICTIMS	PERCENT OF TOTAL
1	0	115	10	1	0	0	3	129	0.31
2	1	98	14	0	1	0	1	115	0.27
3	2	110	32	6	0	0	2	152	0.36
4	0	138	31	17	0	1	2	189	0.45
5	4	133	35	20	0	1	1	194	0.46
6 - 10	2	661	180	278	3	4	14	1,142	2.72
11 - 15	49	932	201	507	23	28	20	1,760	4.20
16	493	555	63	111	40	20	4	1,286	3.07
17	752	728	42	92	74	25	4	1,717	4.10
18	889	594	54	95	110	16	2	1,760	4.20
19	915	575	46	97	142	20	1	1,796	4.28
20	867	520	46	83	139	23	3	1,681	4.01
21 - 25	3,909	1,940	234	369	551	77	19	7,099	16.94
26 - 30	3,090	1,226	199	214	315	41	11	5,096	12.16
31 - 35	2,529	777	160	121	235	22	7	3,851	9.19
36 - 40	2,171	598	160	52	155	9	9	3,154	7.52
41 - 45	1,483	448	102	37	63	4	6	2,143	5.11
46 - 50	1,130	414	87	27	37	5	2	1,702	4.06
51 - 55	942	333	88	12	29	2	1	1,407	3.36
56 - 60	763	353	83	20	25	1	2	1,247	2.98
61 - 65	593	324	95	8	11	1	3	1,035	2.47
66 - 70	445	270	78	7	9	0	0	809	1.93
71 - 75	342	187	69	6	4	0	0	608	1.45
76 - 80	182	118	58	2	1	0	0	361	0.86
81 - 85	72	55	42	1	0	0	0	170	0.41
86 - 90	15	28	17	1	0	0	0	61	0.15
91 - 95	1	6	3	0	0	0	0	10	0.02
OVER 95	1	3	0	0	0	0	0	4	0.01
UNKNOWN	53	994	86	66	5	24	7	1,235	2.95
TOTAL	21,695	13,233	2,315	2,250	1,972	324	124	41,913	100.00

NOTE: **PASSENGER** includes those persons "hanging on" to a vehicle. **BICYCLIST** includes both drivers and passengers on a bicycle.

1987 MOTOR VEHICLE ACCIDENT VICTIMS INJURED AND KILLED BY AGE AND SEX

	VICTIMS INJURED				VICTIMS KILLED			
AGE	MALE	FEMALE	UNKNOWN	TOTAL INJURED	MALE	FEMALE	UNKNOWN	TOTAL KILLED
1	69	51	2	122	1	6	0	7
2	55	59	0	114	0	1	0	1
3	81	67	0	148	3	1	0	4
4	92	91	0	183	2	4	0	6
5	113	78	0	191	2	1	0	3
6 - 10	633	497	0	1,130	9	3	0	12
11 - 15	895	850	0	1,745	9	6	0	15
16	693	575	0	1,268	9	9	0	18
17	1,017	679	1	1,697	14	6	0	20
18	1,085	651	1	1,737	15	8	0	23
19	1,119	654	0	1,773	20	3	0	23
20	1,052	608	0	1,660	16	5	0	21
21 - 25	4,398	2,605	0	7,003	82	14	0	96
26 - 30	2,960	2,059	1	5,020	60	16	0	76
31 - 35	2,124	1,672	1	3,797	43	11	0	54
36 - 40	1,634	1,482	0	3,116	28	10	0	38
41 - 45	1,099	1,017	2	2,118	18	7	0	25
46 - 50	834	835	1	1,670	23	9	0	32
51 - 55	707	676	0	1,383	14	10	0	24
56 - 60	630	585	1	1,216	19	12	0	31
61 - 65	459	552	1	1,012	13	10	0	23
66 - 70	352	436	2	790	10	9	0	19
71 - 75	254	334	0	588	11	9	0	20
76 - 80	161	192	0	353	6	2	0	8
81 - 85	72	85	1	158	10	2	0	12
86 - 90	25	27	0	52	4	5	0	9
91 - 95	6	3	0	9	1	0	0	1
OVER 95	1	3	0	4	0	0	0	0
UNKNOWN	495	587	152	1,234	1	0	0	1
TOTAL	23,115	18,010	166	41,291	443	179	0	622

fig. 12


1987 FATALITIES
by
Victim Age and Sex
622 Fatalities
443
Males
179
Females
2 %
under 6 yrs
4 %
6-15 yrs
17 %
16-20 yrs
52 %
21-45 yrs
15 %
46-65 yrs
10 %
over 65 yrs
7%
under 6 yrs
5 %
6-15 yrs
17 %
16-20 yrs
33 %
21-45 yrs
23%
46-65 yrs
15 %
over 65 yrs

1987 VICTIMS BY DAY OF WEEK BY VICTIM AGE

VICTIM AGE	DAY OF WEEK							TOTAL VICTIMS
	SUN.	MON.	TUES.	WED.	THURS.	FRI.	SAT.	
1	9	24	19	10	20	25	22	129
2	15	14	24	7	13	17	25	115
3	26	25	18	21	21	21	20	152
4	25	38	25	17	20	33	31	189
5	24	36	20	21	19	39	35	194
6 - 10	153	148	152	124	176	199	190	1,142
11 - 15	247	207	223	197	229	334	323	1,760
16	191	153	175	133	141	226	267	1,286
17	248	207	224	185	223	322	308	1,717
18	280	193	245	181	229	289	343	1,760
19	303	226	216	226	205	269	351	1,796
20	256	203	197	200	229	262	334	1,681
21 - 25	1,053	833	908	840	912	1,207	1,346	7,099
26 - 30	760	620	659	626	686	876	869	5,096
31 - 35	490	490	485	496	532	726	632	3,851
36 - 40	381	414	409	460	466	533	491	3,154
41 - 45	211	285	324	285	304	368	366	2,143
46 - 50	215	210	238	213	245	305	276	1,702
51 - 55	157	207	185	199	203	238	218	1,407
56 - 60	125	154	189	170	188	219	202	1,247
61 - 65	123	156	137	125	159	170	165	1,035
66 - 70	94	123	107	120	118	143	104	809
71 - 75	71	77	89	97	105	99	70	608
76 - 80	47	49	51	54	51	58	51	361
81 - 85	18	34	20	27	23	24	24	170
86 - 90	7	12	5	9	3	15	10	61
91 - 95	2	3	0	3	0	1	1	10
OVER 95	1	0	0	0	1	2	0	4
UNKNOWN	196	124	146	145	166	190	268	1,235
TOTAL	5,728	5,265	5,490	5,191	5,687	7,210	7,342	41,913

VICTIM AGE BY ACCIDENT HOUR FOR VICTIMS KILLED IN 1987 ACCIDENTS

ACCIDENT HOUR	VICTIM AGE									
	UNK.	1-5	6-10	11-15	16	17	18	19	20	21-25
Mid. - 1 am	1	1	0	0	1	0	1	2	1	14
1 am - 2 am	0	0	0	0	0	0	2	2	1	6
2 am - 3 am	0	0	0	0	1	3	1	4	3	9
3 am - 4 am	0	0	0	0	0	2	3	0	2	2
4 am - 5 am	0	0	0	0	0	0	1	1	1	3
5 am - 6 am	0	0	0	0	1	1	0	0	1	2
6 am - 7 am	0	0	0	0	0	0	0	0	1	3
7 am - 8 am	0	0	1	0	2	0	0	0	2	3
8 am - 9 am	0	0	0	0	0	1	1	0	0	4
9 am -10 am	0	0	0	0	0	0	0	0	0	1
10 am -11 am	0	0	1	0	0	0	0	0	0	0
11 am - Noon	0	2	0	0	1	0	3	1	0	2
Noon - 1 pm	0	5	0	2	0	2	0	0	1	2
1 pm - 2 pm	0	1	1	0	1	0	2	0	0	4
2 pm - 3 pm	0	2	2	2	4	0	0	1	0	2
3 pm - 4 pm	0	4	2	2	0	2	0	1	0	4
4 pm - 5 pm	0	1	2	0	1	1	1	1	0	2
5 pm - 6 pm	0	2	1	3	2	0	3	2	1	2
6 pm - 7 pm	0	1	0	2	1	0	0	2	1	9
7 pm - 8 pm	0	2	1	1	1	3	0	1	2	2
8 pm - 9 pm	0	0	1	1	2	2	1	1	2	4
9 pm -10 pm	0	0	0	0	0	1	1	1	0	4
10 pm -11 pm	0	0	0	1	0	0	0	1	1	4
11 pm - Mid.	0	0	0	0	0	2	3	1	1	7
UNKNOWN	0	0	0	1	0	0	0	1	0	1
TOTAL	1	21	12	15	18	20	23	23	21	96

cont'd...

VICTIM AGE BY ACCIDENT HOUR FOR VICTIMS KILLED IN 1987 ACCIDENTS

cont'd...

ACCIDENT HOUR	VICTIM AGE							TOTAL KILLED	PERCENT OF TOTAL
	26-30	31-40	41-50	51-60	61-70	71-80	81+		
Mid. - 1 am	4	6	1	1	1	0	0	34	5.47
1 am - 2 am	3	7	2	1	0	1	0	25	4.02
2 am - 3 am	9	2	4	2	0	0	0	38	6.11
3 am - 4 am	3	3	1	0	0	0	0	16	2.57
4 am - 5 am	3	3	2	0	0	1	0	15	2.41
5 am - 6 am	0	3	1	1	0	0	0	10	1.61
6 am - 7 am	3	2	1	1	0	0	1	12	1.93
7 am - 8 am	1	1	2	0	2	2	1	17	2.73
8 am - 9 am	0	3	3	2	2	1	1	18	2.89
9 am -10 am	2	1	0	4	1	1	1	11	1.77
10 am -11 am	2	3	2	2	2	1	3	16	2.57
11 am - Noon	2	1	3	0	5	0	1	21	3.38
Noon - 1 pm	1	2	1	2	5	0	3	26	4.18
1 pm - 2 pm	1	2	2	2	1	1	4	22	3.54
2 pm - 3 pm	5	4	3	6	2	4	3	40	6.43
3 pm - 4 pm	8	0	2	1	1	3	0	30	4.82
4 pm - 5 pm	1	9	3	4	3	3	0	32	5.14
5 pm - 6 pm	4	3	5	3	5	4	1	41	6.59
6 pm - 7 pm	3	2	2	6	2	3	2	36	5.79
7 pm - 8 pm	5	5	4	7	5	1	0	40	6.43
8 pm - 9 pm	2	4	3	4	1	0	1	29	4.66
9 pm -10 pm	4	9	1	3	0	2	0	26	4.18
10 pm -11 pm	2	7	3	2	1	0	0	22	3.54
11 pm - Mid.	5	7	3	0	2	0	0	31	4.98
UNKNOWN	3	3	3	1	1	0	0	14	2.26
TOTAL	76	92	57	55	42	28	22	622	100.00

VICTIM AGE BY ACCIDENT HOUR FOR VICTIMS INJURED IN 1987 ACCIDENTS

ACCIDENT HOUR	VICTIM AGE									
	UNK.	1-5	6-10	11-15	16	17	18	19	20	21-25
Mid. - 1 am	37	1	3	31	57	99	95	78	55	227
1 am - 2 am	37	3	7	21	45	66	76	99	68	269
2 am - 3 am	63	0	2	13	32	51	66	96	99	360
3 am - 4 am	31	3	1	4	9	41	53	61	65	184
4 am - 5 am	10	2	4	2	7	25	26	39	23	113
5 am - 6 am	13	0	3	10	10	24	22	22	37	102
6 am - 7 am	16	5	3	11	16	12	31	30	28	105
7 am - 8 am	22	7	9	34	15	32	33	51	38	204
8 am - 9 am	52	18	69	73	49	47	58	66	68	246
9 am -10 am	36	35	23	40	24	38	34	49	31	178
10 am -11 am	40	43	45	44	29	22	39	46	47	202
11 am - Noon	53	51	64	66	47	49	55	49	42	269
Noon - 1 pm	83	56	66	110	51	74	77	63	83	321
1 pm - 2 pm	53	63	64	102	53	66	80	59	68	312
2 pm - 3 pm	57	63	96	118	62	90	79	81	71	381
3 pm - 4 pm	95	91	157	191	125	130	108	127	120	436
4 pm - 5 pm	100	79	130	179	68	130	124	131	102	501
5 pm - 6 pm	92	61	126	164	77	115	106	118	118	505
6 pm - 7 pm	76	66	95	113	99	105	108	115	96	448
7 pm - 8 pm	58	36	71	125	84	101	81	71	86	379
8 pm - 9 pm	43	29	40	92	68	86	96	77	81	319
9 pm -10 pm	40	13	31	75	71	98	86	73	77	280
10 pm -11 pm	51	16	9	57	79	91	89	84	64	279
11 pm - Mid.	38	10	4	46	72	85	90	69	66	295
UNKNOWN	38	7	8	24	19	20	25	19	27	88
TOTAL	1,234	758	1,130	1,745	1,268	1,697	1,737	1,773	1,660	7,003

cont'd...

VICTIM AGE BY ACCIDENT HOUR FOR VICTIMS INJURED IN 1987 ACCIDENTS

cont'd

ACCIDENT HOUR	VICTIM AGE							TOTAL INJURED	PERCENT OF TOTAL
	26-30	31-40	41-50	51-60	61-70	71-80	81+		
Mid. - 1 am	160	154	69	29	19	5	2	1,121	2.71
1 am - 2 am	160	135	60	23	7	1	0	1,077	2.61
2 am - 3 am	168	155	35	18	11	3	0	1,172	2.84
3 am - 4 am	84	75	19	5	4	2	0	641	1.55
4 am - 5 am	54	44	13	8	5	1	0	376	0.91
5 am - 6 am	54	40	20	12	3	3	0	375	0.91
6 am - 7 am	83	142	68	52	10	7	0	619	1.50
7 am - 8 am	174	274	164	85	37	16	0	1,195	2.89
8 am - 9 am	189	299	166	114	69	25	6	1,614	3.91
9 am -10 am	163	261	139	104	81	37	4	1,277	3.09
10 am -11 am	192	256	173	149	108	74	19	1,528	3.70
11 am - Noon	208	310	205	155	166	71	24	1,884	4.56
Noon - 1 pm	257	375	211	181	147	58	15	2,228	5.40
1 pm - 2 pm	250	399	224	192	174	99	31	2,289	5.54
2 pm - 3 pm	272	424	243	199	155	86	21	2,498	6.05
3 pm - 4 pm	370	537	330	224	177	112	25	3,355	8.12
4 pm - 5 pm	382	593	341	250	157	107	19	3,393	8.22
5 pm - 6 pm	417	598	315	195	138	87	15	3,247	7.86
6 pm - 7 pm	297	452	270	174	82	34	13	2,643	6.40
7 pm - 8 pm	257	364	218	116	74	36	5	2,162	5.24
8 pm - 9 pm	216	249	151	101	52	26	7	1,733	4.20
9 pm -10 pm	197	265	95	57	50	19	7	1,534	3.72
10 pm -11 pm	156	214	113	70	28	12	3	1,415	3.43
11 pm - Mid.	177	188	90	42	28	11	3	1,314	3.18
UNKNOWN	83	110	56	44	20	9	4	601	1.46
TOTAL	5,020	6,913	3,788	2,599	1,802	941	223	41,291	100.00

VICTIMS IN 1987 HOLIDAY ACCIDENTS

HOLIDAY	VICTIM TYPE		TOTAL VICTIMS	PERCENT OF TOTAL
	INJURED	KILLED		
B. C. DAY	497	7	504	18.20
THANKSGIVING	415	5	420	15.17
VICTORIA DAY	407	9	416	15.02
EASTER	306	4	310	11.20
LABOUR DAY	253	14	267	9.64
NEW YEAR'S EVE/DAY	256	1	257	9.28
REMEMBRANCE DAY	202	3	205	7.40
CANADA DAY	125	2	127	4.59
CHRISTMAS	260	3	263	9.50
TOTAL	2,721	48	2,769	100.00

NOTE: New Year's Eve/Day is December 31, 1987 and January 1, 1988.

SECTION 5

PEDESTRIANS

1987 PEDESTRIAN INVOLVED ACCIDENTS

There were 2,218 pedestrians injured in traffic accidents in 1987, which is a 7% decrease from 1986, and 97 pedestrians killed, a 3% increase from the previous year.

The peak hour of the day for pedestrian accidents is 3 to 4 pm during which time frame 10% of all injuries and fatalities occurred.

Although half of the pedestrian involved accidents occurred at intersections and half occurred at non-intersection locations, the fatality rate more than doubled at non-intersection locations. Twenty-nine pedestrians were killed at intersections while 80 were killed at non-intersection locations in 1987.

PEDESTRIANS INVOLVED IN 1987 ACCIDENTS BY LOCATION BY PEDESTRIAN ACTION AND ACCIDENT TYPE

PEDESTRIAN ACTION	AT INTERSECTION				NOT AT INTERSECTION			
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL	TOTAL	PROPERTY DAMAGE	PERSONAL INJURY	FATAL	TOTAL
CROSSING WITH NO SIGNAL, NO CROSSWALK	4	246	9	259	2	191	32	225
CROSSING AT MARKED CROSSWALK, NO SIGNAL	2	265	9	276	0	27	1	28
CROSSING WITH SIGNAL	3	277	3	283	0	3	0	3
EMERGING FROM FRONT/BEHIND PARKED VEHICLE	0	11	0	11	0	144	1	145
CROSSING AGAINST SIGNAL	0	104	2	106	0	11	1	12
WALKING WITH TRAFFIC	3	14	1	18	0	83	11	94
STANDING ON SIDEWALK	1	20	0	21	0	53	0	53
WALKING AGAINST TRAFFIC	0	10	0	10	0	43	10	53
PLAYING IN ROADWAY	0	3	0	3	2	44	3	49
WORKING IN ROADWAY	0	7	1	8	0	27	1	28
ADULT GETTING ON/OFF VEHICLE	0	3	0	3	0	23	0	23
PUSHING/WORKING ON A CAR	0	1	0	1	0	9	0	9
CHILD GETTING ON/OFF SCHOOL VEHICLE	0	0	0	0	0	6	0	6
OTHER	1	91	4	96	6	355	20	381
UNKNOWN	0	35	0	35	1	41	0	42
TOTAL	14	1,087	29	1,130	11	1,060	80	1,151

cont'd...

PEDESTRIANS INVOLVED IN 1987 ACCIDENTS BY LOCATION BY PEDESTRIAN ACTION AND ACCIDENT TYPE

cont'd...

PEDESTRIAN ACTION	UNKNOWN				TOTAL PEDESTRIANS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL	TOTAL		
CROSSING WITH NO SIGNAL, NO CROSSWALK	0	0	0	0	484	20.46
CROSSING AT MARKED CROSSWALK, NO SIGNAL	0	1	0	1	305	12.90
CROSSING WITH SIGNAL	0	1	0	1	287	12.14
EMERGING FROM FRONT/BEHIND PARKED VEHICLE	0	0	0	0	156	6.60
CROSSING AGAINST SIGNAL	0	0	0	0	118	4.99
WALKING WITH TRAFFIC	0	0	0	0	112	4.74
STANDING ON SIDEWALK	1	1	0	2	76	3.21
WALKING AGAINST TRAFFIC	0	2	0	2	65	2.75
PLAYING IN ROADWAY	0	2	0	2	54	2.28
WORKING IN ROADWAY	0	4	0	4	40	1.69
ADULT GETTING ON/OFF VEHICLE	0	0	0	0	26	1.10
PUSHING/WORKING ON A CAR	0	0	0	0	10	0.42
CHILD GETTING ON/OFF SCHOOL VEHICLE	0	0	0	0	6	0.25
UNKNOWN	1	27	0	28	105	4.44
OTHER	0	44	0	44	521	22.03
TOTAL	2	82	0	84	2,365	100.00

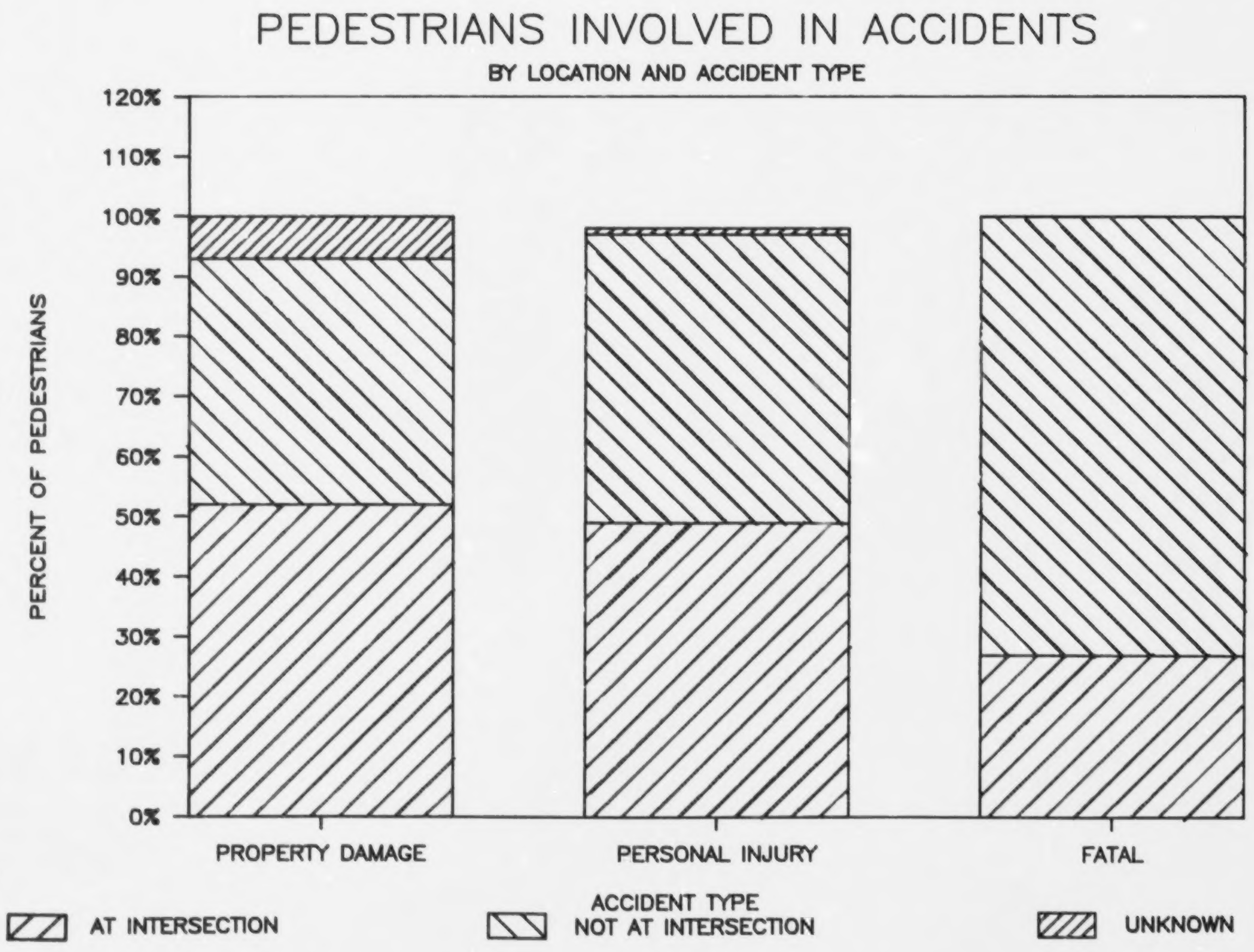

PEDESTRIANS INVOLVED IN ACCIDENTS
BY LOCATION AND ACCIDENT TYPE
PERCENT OF PEDESTRIANS
120%
110%
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
PROPERTY DAMAGE
PERSONAL INJURY
FATAL
ACCIDENT TYPE
AT INTERSECTION
NOT AT INTERSECTION
UNKNOWN

fig. 13

1987 PEDESTRIAN INVOLVED ACCIDENTS BY DAY OF WEEK AND ACCIDENT HOUR

-PROPERTY DAMAGE ACCIDENTS ONLY-

ACCIDENT HOUR	DAY OF WEEK							TOTAL ACCIDENTS	PERCENT OF TOTAL
	SUN	MON	TUES	WED	THURS	FRI	SAT		
Mid. - 1 am	0	0	0	0	0	0	0	0	8.56
1 am - 2 am	0	0	0	0	0	0	0	0	9.47
2 am - 3 am	0	0	0	0	0	0	0	0	10.21
3 am - 4 am	0	0	0	0	0	0	0	0	5.68
4 am - 5 am	0	0	0	0	0	0	0	0	3.07
5 am - 6 am	0	0	0	0	0	0	0	0	2.22
6 am - 7 am	0	1	0	0	0	0	0	1	1.65
7 am - 8 am	0	0	0	0	0	0	0	0	1.10
8 am - 9 am	0	0	0	0	0	0	0	0	0.88
9 am - 10 am	0	0	0	0	0	0	0	0	0.91
10 am - 11 am	0	0	0	1	0	0	0	1	0.61
11 am - Noon	0	0	0	0	0	0	0	0	0.61
Noon - 1 pm	0	0	0	0	0	0	1	1	1.26
1 pm - 2 pm	0	0	0	0	0	0	0	0	1.26
2 pm - 3 pm	0	0	0	0	0	1	0	1	1.29
3 pm - 4 pm	0	2	0	0	0	0	0	2	1.98
4 pm - 5 pm	0	0	0	0	0	0	0	0	3.54
5 pm - 6 pm	0	0	0	0	0	1	0	1	4.58
6 pm - 7 pm	0	1	0	1	0	0	0	2	5.82
7 pm - 8 pm	0	0	0	0	0	0	0	0	5.82
8 pm - 9 pm	0	0	0	0	0	0	1	1	6.01
9 pm - 10 pm	0	0	0	0	1	0	0	1	6.31
10 pm - 11 pm	0	0	0	0	0	0	0	0	7.22
11 pm - Mid.	0	0	0	0	0	0	0	0	8.13
UNKNOWN	0	0	0	0	0	0	0	0	1.81
TOTAL	0	4	0	2	1	2	2	11	100.00

1987 PEDESTRIAN INVOLVED ACCIDENTS BY DAY OF WEEK AND ACCIDENT HOUR

-PERSONAL INJURY ACCIDENTS ONLY-

ACCIDENT HOUR	DAY OF WEEK							TOTAL ACCIDENTS	PERCENT OF TOTAL
	SUN.	MON.	TUES.	WED.	THURS.	FRI.	SAT.		
Mid. - 1 am	7	3	4	5	4	6	9	17	1.29
1 am - 2 am	13	0	4	1	3	7	3	38	2.88
2 am - 3 am	9	2	2	3	1	4	10	31	2.35
3 am - 4 am	2	2	0	2	2	2	1	31	2.35
4 am - 5 am	2	0	0	0	1	1	2	11	0.83
5 am - 6 am	1	0	0	0	0	0	2	6	0.46
6 am - 7 am	0	2	1	1	3	1	0	3	0.23
7 am - 8 am	0	3	6	7	5	7	0	8	0.61
8 am - 9 am	1	14	18	12	11	8	0	28	2.12
9 am - 10 am	1	9	6	9	5	9	4	64	4.86
10 am - 11 am	9	8	11	5	9	7	2	43	3.26
11 am - Noon	6	3	10	16	12	14	11	51	3.87
Noon - 1 pm	4	11	16	10	10	16	9	72	5.46
1 pm - 2 pm	8	6	9	11	10	13	9	76	5.77
2 pm - 3 pm	9	15	17	17	14	8	8	66	5.01
3 pm - 4 pm	8	24	18	15	17	20	20	88	6.68
4 pm - 5 pm	5	22	21	16	9	21	10	122	9.26
5 pm - 6 pm	10	13	12	13	14	20	6	104	7.89
6 pm - 7 pm	6	8	14	16	10	11	12	88	6.68
7 pm - 8 pm	6	10	14	10	13	19	10	77	5.84
8 pm - 9 pm	5	5	7	5	10	13	10	82	6.22
9 pm - 10 pm	8	10	5	6	9	13	11	55	4.17
10 pm - 11 pm	6	4	8	5	15	9	6	62	4.70
11 pm - Mid.	3	1	5	5	5	14	8	55	4.17
UNKNOWN	1	3	1	2	2	4	4	40	3.04
TOTAL	130	178	209	193	194	247	167	1,318	100.00

1987 PEDESTRIAN INVOLVED ACCIDENTS BY DAY OF WEEK AND ACCIDENT HOUR

-FATAL ACCIDENTS ONLY-

ACCIDENT HOUR	DAY OF WEEK							TOTAL ACCIDENTS	PERCENT OF TOTAL
	SUN.	MON.	TUES.	WED.	THURS.	FRI.	SAT.		
Mid. - 1 am	2	0	0	0	0	0	0	2	4.44
1 am - 2 am	1	0	1	1	0	0	0	3	6.67
2 am - 3 am	0	0	0	0	1	1	0	2	4.44
3 am - 4 am	0	0	0	0	0	0	0	0	0.00
4 am - 5 am	0	0	0	0	0	0	0	0	0.00
5 am - 6 am	0	0	0	0	0	0	0	0	0.00
6 am - 7 am	0	0	0	0	1	0	0	1	2.22
7 am - 8 am	0	0	0	0	0	0	0	0	0.00
8 am - 9 am	0	0	1	0	0	0	0	1	2.22
9 am - 10 am	0	0	2	0	0	0	0	2	4.44
10 am - 11 am	1	0	0	0	0	0	0	1	2.22
11 am - Noon	0	0	0	0	1	0	0	1	2.22
Noon - 1 pm	0	0	0	0	0	1	0	1	2.22
1 pm - 2 pm	0	0	1	0	0	0	0	1	2.22
2 pm - 3 pm	0	2	1	0	1	0	0	4	8.90
3 pm - 4 pm	1	0	0	1	0	0	0	2	4.44
4 pm - 5 pm	0	0	1	0	0	0	0	1	2.22
5 pm - 6 pm	0	0	0	1	1	1	1	4	8.90
6 pm - 7 pm	2	0	0	0	0	2	1	5	11.11
7 pm - 8 pm	0	0	0	1	0	0	0	1	2.22
8 pm - 9 pm	0	0	0	0	0	1	0	1	2.22
9 pm - 10 pm	0	0	1	0	1	2	0	4	8.90
10 pm - 11 pm	0	1	0	0	2	0	0	3	6.67
11 pm - Mid.	0	0	1	2	1	1	0	5	11.11
UNKNOWN	0	0	0	0	0	0	0	0	0.00
TOTAL	7	3	9	6	9	9	2	45	100.00

fig. 14

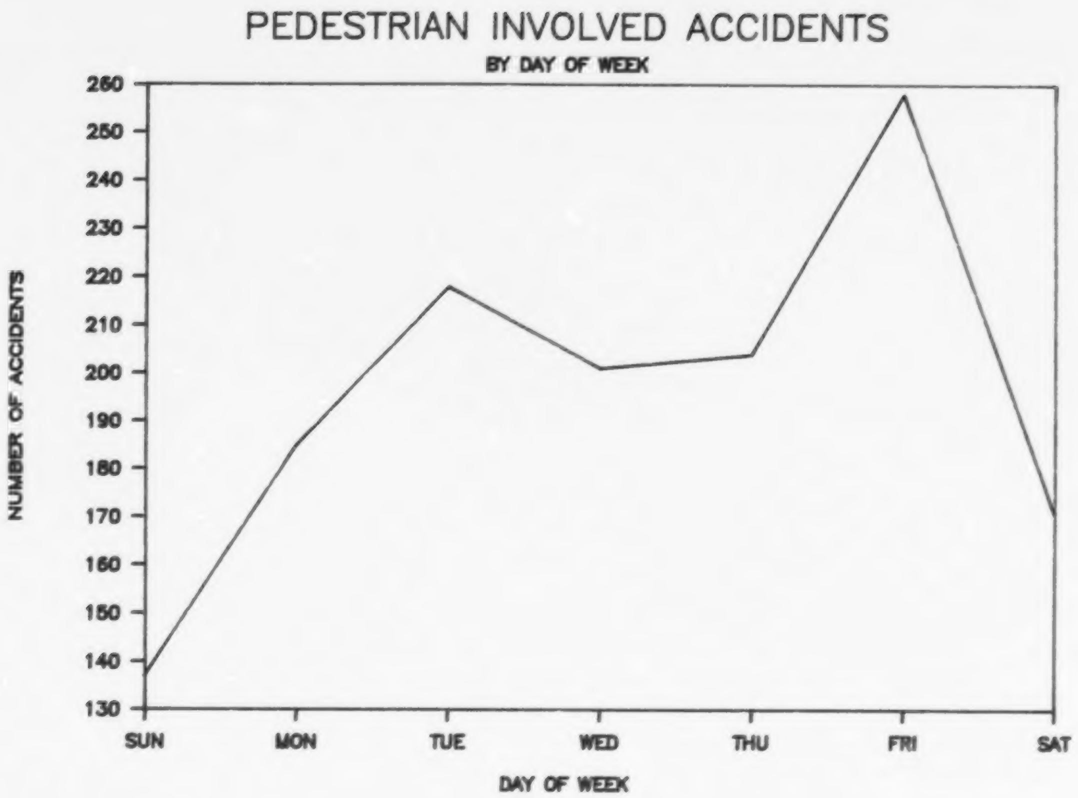
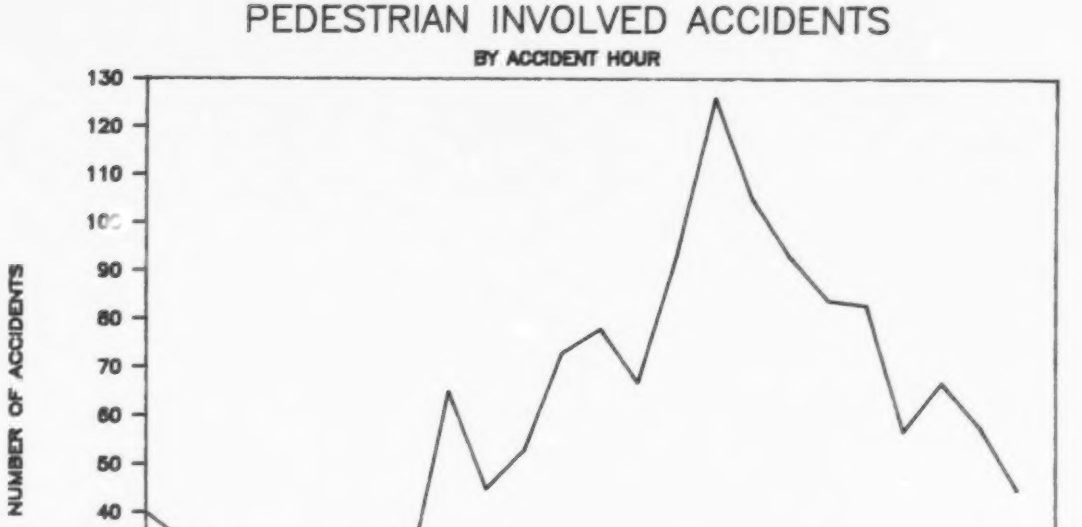

PEDESTRIAN INVOLVED ACCIDENTS
BY DAY OF WEEK
NUMBER OF ACCIDENTS
260
250
240
230
220
210
200
190
180
170
160
150
140
130
SUN
MON
TUE
WED
THU
FRI
SAT
DAY OF WEEK

fig. 15


PEDESTRIAN INVOLVED ACCIDENTS
BY ACCIDENT HOUR
NUMBER OF ACCIDENTS
130
120
110
90
80
70
60
50
40
30
20
10
0
MIDN.
6AM
NOON
6PM
11PM
ACCIDENT HOUR

PEDESTRIANS INJURED BY ACCIDENT HOUR AND AGE IN 1987 ACCIDENTS

ACCIDENT HOUR	VICTIM AGE								
	UNK.	1-5	6-10	11-15	16	17	18	19	20
Mid.- 1 am	0	0	0	1	2	1	2	2	3
1 am- 2 am	0	0	0	2	3	4	1	1	4
2 am- 3 am	5	0	0	1	0	2	4	5	3
3 am- 4 am	0	0	0	0	0	2	0	3	1
4 am- 5 am	0	0	0	0	0	1	1	1	0
5 am- 6 am	0	0	0	0	0	0	0	0	0
6 am- 7 am	2	0	0	0	0	0	0	1	0
7 am- 8 am	1	0	3	4	1	2	2	2	0
8 am- 9 am	6	3	18	15	4	0	3	0	1
9 am-10 am	1	1	3	3	0	2	1	1	0
10 am-11 am	3	3	3	8	1	1	0	0	1
11 am- Noon	4	6	5	5	1	1	3	1	1
Noon- 1 pm	6	10	10	15	2	1	2	0	1
1 pm- 2 pm	4	8	7	8	2	0	1	4	1
2 pm- 3 pm	4	5	16	12	4	1	2	2	3
3 pm- 4 pm	9	16	35	29	7	1	3	2	4
4 pm- 5 pm	6	15	26	15	6	7	1	1	3
5 pm- 6 pm	11	15	22	21	2	5	3	7	1
6 pm- 7 pm	3	10	14	14	7	0	4	2	2
7 pm- 8 pm	1	12	5	15	3	3	4	3	5
8 pm- 9 pm	5	6	6	4	4	1	2	2	2
9 pm-10 pm	4	3	2	10	3	1	3	0	3
10 pm-11 pm	3	1	0	6	2	3	5	4	4
11 pm- Mid.	1	2	0	2	7	1	6	1	0
UNKNOWN	6	0	4	14	0	0	2	0	2
TOTAL	85	116	179	204	61	40	55	45	45

cont'd...

PEDESTRIANS INJURED BY ACCIDENT HOUR AND AGE IN 1987 ACCIDENTS

cont'd ..

ACCIDENT HOUR	VICTIM AGE								TOTAL INJURED	PERCENT OF TOTAL
	21-25	26-30	31-40	41-50	51-60	61-70	71-80	81+		
Mid.- 1 am	9	3	8	1	1	3	1	0	37	1.65
1 am- 2 am	8	10	9	2	4	1	0	0	49	2.18
2 am- 3 am	18	9	9	1	2	0	1	0	60	2.67
3 am- 4 am	9	2	3	3	0	1	1	0	25	1.11
4 am- 5 am	2	2	0	0	1	0	0	0	8	0.36
5 am- 6 am	2	0	1	0	0	0	1	0	4	0.18
6 am- 7 am	4	2	2	3	5	1	2	0	22	0.98
7 am- 8 am	5	6	12	5	3	1	5	0	52	2.31
8 am- 9 am	7	4	14	8	3	10	3	0	99	4.40
9 am-10 am	3	7	6	6	4	5	6	0	49	2.18
10 am-11 am	10	6	6	6	11	10	5	8	82	3.65
11 am- Noon	7	7	12	10	6	10	8	3	90	4.00
Noon- 1 pm	14	6	15	8	4	11	6	4	115	5.12
1 pm- 2 pm	10	9	13	12	13	9	8	5	114	5.07
2 pm- 3 pm	17	9	19	9	11	9	10	4	137	6.09
3 pm- 4 pm	11	12	22	16	15	12	15	5	214	9.52
4 pm- 5 pm	12	16	18	18	13	16	9	8	190	8.45
5 pm- 6 pm	9	19	27	11	13	14	12	4	196	8.72
6 pm- 7 pm	9	10	23	15	13	7	9	4	146	6.50
7 pm- 8 pm	11	16	16	10	8	12	3	2	129	5.74
8 pm- 9 pm	8	13	21	9	8	10	6	1	108	4.80
9 pm-10 pm	10	13	15	10	8	11	5	1	102	4.54
10 pm-11 pm	13	5	14	6	6	1	1	2	76	3.38
11 pm- Mid.	12	8	16	6	5	1	2	0	70	3.11
UNKNOWN	6	4	14	8	8	4	0	2	74	3.29
TOTAL	226	198	315	183	165	159	119	53	2,248	100.00

PEDESTRIANS KILLED BY ACCIDENT HOUR AND AGE IN 1987 ACCIDENTS

ACCIDENT HOUR	VICTIM AGE								
	UNK.	1-5	6-10	11-15	16	17	18	19	20
Mid.- 1 am	0	0	0	0	0	0	0	0	0
1 am- 2 am	0	0	0	0	0	0	0	0	1
2 am- 3 am	0	0	0	0	0	0	0	0	0
3 am- 4 am	0	0	0	0	0	0	0	0	0
4 am- 5 am	0	0	0	0	0	0	0	0	0
5 am- 6 am	0	0	0	0	0	1	0	0	1
6 am- 7 am	0	0	0	0	0	0	0	0	0
7 am- 8 am	0	0	0	0	0	0	0	0	0
8 am- 9 am	0	0	0	0	0	0	0	0	0
9 am-10 am	0	0	0	0	0	0	0	0	0
10 am-11 am	0	0	0	0	0	0	0	0	0
11 am- Noon	0	1	0	0	0	0	0	0	0
Noon- 1 pm	0	0	0	1	0	0	0	0	0
1 pm- 2 pm	0	0	0	0	0	0	0	0	0
2 pm- 3 pm	0	0	1	0	0	0	0	0	0
3 pm- 4 pm	0	3	1	1	0	0	0	0	0
4 pm- 5 pm	0	0	1	0	0	0	0	0	0
5 pm- 6 pm	0	1	0	0	0	0	0	1	0
6 pm- 7 pm	0	0	0	0	0	0	0	0	0
7 pm- 8 pm	0	1	0	0	1	0	0	0	0
8 pm- 9 pm	0	0	0	1	1	0	0	0	0
9 pm-10 pm	0	0	0	0	0	0	0	0	0
10 pm-11 pm	0	0	0	1	0	0	0	0	0
11 pm- Mid.	0	0	0	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	1	0	0	0
TOTAL	0	6	3	4	2	2	0	1	2

cont'd...

PEDESTRIANS KILLED BY ACCIDENT HOUR AND AGE IN 1987 ACCIDENTS

cont'd ..

ACCIDENT HOUR	VICTIM AGE								TOTAL KILLED	PERCENT OF TOTAL
	21-25	26-30	31-40	41-50	51-60	61-70	71-80	81+		
Mid.- 1 am	0	0	0	0	0	0	0	0	0	0.00
1 am- 2 am	1	0	2	0	0	0	0	0	4	4.08
2 am- 3 am	2	0	0	0	0	0	0	0	2	2.04
3 am- 4 am	0	0	0	0	0	0	0	0	0	0.00
4 am- 5 am	0	0	1	1	0	0	0	0	2	2.04
5 am- 6 am	1	0	0	0	0	0	0	0	3	3.06
6 am- 7 am	1	0	0	0	1	0	0	0	2	2.04
7 am- 8 am	0	0	0	0	0	1	0	0	1	1.02
8 am- 9 am	0	0	0	0	0	1	0	0	1	1.02
9 am-10 am	0	0	0	0	1	0	0	1	2	2.04
10 am-11 am	0	0	0	0	0	0	0	1	1	1.02
11 am- Noon	0	0	0	0	0	0	0	0	1	1.02
Noon- 1 pm	0	0	0	0	0	0	0	2	3	3.06
1 pm- 2 pm	0	0	0	0	0	1	0	2	3	3.06
2 pm- 3 pm	0	1	0	0	1	0	0	0	3	3.06
3 pm- 4 pm	1	0	0	1	0	0	1	0	8	8.17
4 pm- 5 pm	0	0	2	0	1	1	1	0	6	6.12
5 pm- 6 pm	0	0	1	1	1	5	3	1	14	14.29
6 pm- 7 pm	0	0	0	2	1	2	0	2	7	7.14
7 pm- 8 pm	0	0	0	1	1	2	1	0	7	7.14
8 pm- 9 pm	1	1	2	0	1	1	0	0	8	8.17
9 pm-10 pm	1	0	2	0	2	0	2	0	7	7.14
10 pm-11 pm	0	1	1	2	0	0	0	0	5	5.11
11 pm- Mid.	2	0	1	1	0	1	0	0	6	6.12
UNKNOWN	2	0	0	0	0	0	0	0	2	2.04
TOTAL	12	3	12	9	10	14	8	9	98	100.00

MAJOR CONTRIBUTING FACTORS IN 1987 PEDESTRIAN INVOLVED ACCIDENTS

- ALL FACTORS -

CONTRIBUTING FACTORS	ACCIDENT TYPE			TOTAL FACTORS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
FAILING TO YIELD RIGHT OF WAY	5	419	13	437	19.95
PEDESTRIAN ERROR/ CONFUSION	0	297	20	317	14.47
DRIVING WITHOUT DUE CARE	4	247	7	258	11.78
ALCOHOL INVOLVEMENT	3	216	29	248	11.32
BACKING UNSAFELY	1	82	2	85	3.88
VISIBILITY IMPAIRED	0	78	2	80	3.65
WEATHER CONDITION	2	52	4	58	2.65
IGNORING TRAFFIC CONTROL DEVICE	0	38	3	41	1.87
DRIVING AT UNSAFE SPEED	0	29	5	34	1.55
DRIVERLESS VEHICLE	0	27	2	29	1.32
SUNLIGHT GLARE	0	27	1	28	1.27
DRIVER INEXPERIENCE	0	25	1	26	1.19
DEFECTIVE BRAKES	1	7	1	9	0.41
IMPROPER PASSING	0	9	0	9	0.41
IMPROPER TURNING	0	8	0	8	0.36
CUTTING IN	0	7	0	7	0.32
(RESULT OF) DIRECTLY PRECEDING ACCIDENT	4	2	1	7	0.36
FOLLOWING TOO CLOSELY	0	6	0	6	0.27
ARTIFICIAL GLARE	0	5	0	5	0.23
IGNORING OFFICER/ FLAGMAN/GUARD	0	5	0	5	0.23
ROAD MAINTENANCE/ CONSTRUCTION	0	4	1	5	0.23
SUICIDE ATTEMPT	0	5	0	5	0.23
OTHER	7	288	16	311	14.20
UNKNOWN	3	166	3	172	7.85
TOTAL	30	2,049	111	2,190	100.00

MAJOR CONTRIBUTING FACTORS IN 1987 PEDESTRIAN INVOLVED ACCIDENTS

- PEDESTRIAN FACTORS ONLY -

CONTRIBUTING FACTORS	ACCIDENT TYPE			TOTAL FACTORS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
PEDESTRIAN ERROR/ CONFUSION	0	297	20	317	43.90
ALCOHOL INVOLVEMENT	2	123	18	143	19.81
FAILING TO YIELD RIGHT OF WAY	1	54	5	60	8.31
WEATHER CONDITION	0	12	1	13	1.80
IGNORING TRAFFIC CONTROL DEVICE	0	10	1	11	1.52
VISIBILITY IMPAIRED	0	10	0	10	1.38
SUICIDE ATTEMPT	0	4	0	4	0.55
CUTTING IN	0	3	0	3	0.42
ILLEGAL DRUGS	0	2	0	2	0.28
ROAD MAINTENANCE/ CONSTRUCTION	0	2	0	2	0.28
SUNLIGHT GLARE	0	2	0	2	0.28
BACKING UNSAFELY	0	1	0	1	0.14
INSUFFICIENT TRAFFIC CONTROL	0	1	0	1	0.14
OTHER	4	111	6	121	16.76
UNKNOWN	1	30	1	32	4.43
TOTAL	8	662	52	722	100.00

MAJOR CONTRIBUTING FACTORS IN 1987 PEDESTRIAN INVOLVED ACCIDENTS

- DRIVER/VEHICLE FACTORS ONLY -

CONTRIBUTING FACTORS	ACCIDENT TYPE			TOTAL FACTORS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
FAILING TO YIELD RIGHT OF WAY	4	365	8	377	25.68
DRIVING WITHOUT DUE CARE	4	247	7	258	17.57
ALCOHOL INVOLVEMENT	1	93	11	105	7.15
BACKING UNSAFELY	1	81	2	84	5.72
VISIBILITY IMPAIRED	0	68	2	70	4.77
WEATHER CONDITION	2	40	3	45	3.07
DRIVING AT UNSAFE SPEED	0	29	5	34	2.32
IGNORING TRAFFIC CONTROL DEVICE	0	28	2	30	2.04
DRIVERLESS VEHICLE	0	27	2	29	1.98
DRIVER INEXPERIENCE	0	25	1	26	1.77
SUNLIGHT GLARE	0	25	1	26	1.77
DEFECTIVE BRAKES	1	7	1	9	0.61
IMPROPER PASSING	0	9	0	9	0.61
IMPROPER TURNING	0	8	0	8	0.55
(RESULT OF) DIRECTLY PRECEDING ACCIDENT	4	2	1	7	0.48
FOLLOWING TOO CLOSELY	0	6	0	6	0.41
ARTIFICIAL GLARE	0	5	0	5	0.34
IGNORING OFFICER/ FLAGMAN/GUARD	0	5	0	5	0.34
OTHER	3	181	11	195	13.28
UNKNOWN	2	136	2	140	9.54
TOTAL	22	1,387	59	1,468	100.00

NOTE: "OTHER" includes factors with less than 5 occurrences.

PEDESTRIANS KILLED BY AGE AND PEDESTRIAN ACTION IN 1987 ACCIDENTS

PEDESTRIAN ACTION	VICTIM AGE									
	1-5	6-10	11-15	16	17	18	19	20	21-25	26-30
CROSSING WITH NO SIGNAL, NO CROSS WALK	3	2	2	0	0	0	0	1	1	2
WALKING WITH TRAFFIC	0	0	0	1	1	0	0	0	2	0
CROSSING AT MARKED CROSSWALK, NO SIGNAL	0	1	1	0	0	0	0	0	1	0
WALKING AGAINST TRAFFIC	0	0	0	0	0	0	0	1	2	0
CROSSING WITH SIGNAL	0	0	0	1	0	0	0	0	0	0
CROSSING AGAINST SIGNAL	0	0	0	0	0	0	0	0	0	0
WORKING IN ROADWAY	0	0	0	0	0	0	0	0	0	0
PLAYING IN ROADWAY	1	0	1	0	0	0	0	0	0	0
EMERGING FROM FRONT/BEHIND PARKED CAR	0	0	0	0	0	0	1	0	0	0
CHILD GETTING ON/OFF SCHOOL VEHICLE/CAR	0	0	0	0	0	0	0	0	0	0
ADULT GETTING ON/OFF VEHICLE	0	0	0	0	0	0	0	0	0	0
PUSHING/WORKING ON CAR	0	0	0	0	0	0	0	0	0	0
RIDING/HITCHING ON CAR	0	0	0	0	0	0	0	0	0	0
STANDING ON SIDEWALK	0	0	0	0	0	0	0	0	0	0
OTHER	2	0	0	0	1	0	0	0	5	1
UNKNOWN	0	0	0	0	0	0	0	0	0	0
TOTAL	6	3	4	2	2	0	1	2	11	3

cont'd...

PEDESTRIANS KILLED BY AGE AND PEDESTRIAN ACTION IN 1987 ACCIDENTS

cont'd...

PEDESTRIAN ACTION	VICTIM AGE								
	31-40	41-50	51-60	61-70	71-80	81-90	91-95	UNKNOWN	TOTAL KILLED
CROSSING WITH NO SIGNAL, NO CROSS WALK	3	2	4	8	6	4	0	0	38
WALKING WITH TRAFFIC	4	0	0	2	1	0	0	0	11
CROSSING AT MARKED CROSSWALK, NO SIGNAL	2	1	1	1	1	1	0	0	10
WALKING AGAINST TRAFFIC	2	0	0	1	0	1	0	0	7
CROSSING WITH SIGNAL	0	1	1	0	0	0	0	0	3
CROSSING AGAINST SIGNAL	0	0	1	0	0	2	0	0	3
WORKING IN ROADWAY	0	1	0	1	0	0	0	0	2
PLAYING IN ROADWAY	0	0	0	0	0	0	0	0	2
EMERGING FROM FRONT/BEHIND PARKED CAR	0	0	0	0	0	0	0	0	1
CHILD GETTING ON/OFF SCHOOL VEHICLE/CAR	0	0	0	0	0	0	0	0	0
ADULT GETTING ON/OFF VEHICLE	0	0	0	0	0	0	0	0	0
PUSHING/WORKING ON CAR	0	0	0	0	0	0	0	0	0
RIDING/HITCHING ON CAR	0	0	0	0	0	0	0	0	0
STANDING ON SIDEWALK	0	0	0	0	0	0	0	0	0
OTHER	1	4	3	2	0	1	0	0	20
UNKNOWN	0	0	0	0	0	0	0	0	0
TOTAL	12	9	10	15	8	9	0	0	97

PEDESTRIANS INJURED BY AGE AND PEDESTRIAN ACTION IN 1987 ACCIDENTS

PEDESTRIAN ACTION	VICTIM AGE									
	1-5	6-10	11-15	16	17	18	19	20	21-25	26-30
CROSSING WITH NO SIGNAL, NO CROSS WALK	9	40	48	11	5	12	5	5	39	38
CROSSING AT MARKED CROSSWALK, NO SIGNAL	10	26	27	11	2	5	3	6	20	17
CROSSING WITH SIGNAL	4	13	14	7	3	3	7	2	29	23
EMERGING FROM FRONT/BEHIND PARKED CAR	28	27	15	1	2	6	4	3	13	15
CROSSING AGAINST SIGNAL	1	9	11	3	5	2	2	1	9	12
WALKING WITH TRAFFIC	1	3	12	4	2	6	2	2	14	5
RIDING/HITCHING ON CAR	5	1	4	3	3	2	1	0	8	8
WALKING AGAINST TRAFFIC	6	1	8	2	3	1	1	0	11	7
PLAYING IN ROADWAY	23	5	10	2	1	0	0	1	2	1
WORKING IN ROADWAY	1	0	1	1	1	0	0	2	4	4
ADULT GETTING ON/OFF VEHICLE	0	0	1	1	1	0	1	3	4	3
PUSHING/WORKING ON CAR	0	0	0	0	0	0	0	2	3	1
CHILD GETTING ON/OFF SCHOOL VEHICLE/CAR	0	2	3	1	0	0	0	0	0	0
STANDING ON SIDEWALK	0	0	0	0	1	0	0	0	0	0
OTHER	23	43	37	12	9	13	17	13	54	50
UNKNOWN	5	7	6	2	2	4	2	4	13	12
TOTAL	116	177	197	61	40	54	45	44	223	196

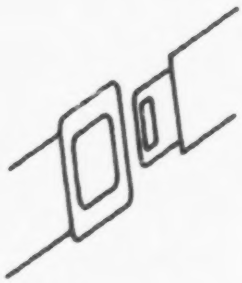
cont'd...

PEDESTRIANS INJURED BY AGE BY PEDESTRIAN ACTION IN 1987 ACCIDENTS

cont'd...

PEDESTRIAN ACTION	VICTIM AGE								TOTAL INJURED
	31-40	41-50	51-60	61-70	71-80	81-90	91-95	UNKNOWN	
CROSSING WITH NO SIGNAL, NO CROSS WALK	52	33	37	39	33	15	0	16	437
CROSSING AT MARKED CROSSWALK, NO SIGNAL	35	25	22	29	29	13	1	11	292
CROSSING WITH SIGNAL	48	35	30	28	21	3	0	5	275
EMERGING FROM FRONT/BEHIND PARKED CAR	17	4	6	2	5	2	0	4	154
CROSSING AGAINST SIGNAL	15	12	12	10	3	2	1	3	113
WALKING WITH TRAFFIC	20	5	8	4	3	3	0	3	97
RIDING/HITCHING ON CAR	11	8	4	9	0	1	1	5	74
WALKING AGAINST TRAFFIC	3	5	4	2	1	0	0	1	56
PLAYING IN ROADWAY	1	0	1	0	0	0	0	1	48
WORKING IN ROADWAY	7	4	6	4	1	0	0	2	38
ADULT GETTING ON/OFF VEHICLE	4	3	1	1	1	1	0	0	25
PUSHING/WORKING ON CAR	1	2	0	1	0	0	0	0	10
CHILD GETTING ON/OFF SCHOOL VEHICLE/CAR	0	0	0	0	0	0	0	0	6
STANDING ON SIDEWALK	0	0	0	0	0	1	0	0	2
OTHER	75	33	25	26	21	5	0	32	488
UNKNOWN	19	11	5	3	1	4	0	3	103
TOTAL	308	180	161	158	119	50	3	86	2,218

SECTION 6



SAFETY EQUIPMENT

USE OF SAFETY EQUIPMENT IN 1987

The use of safety equipment by motor vehicle drivers and passengers has been mandatory in British Columbia since 1977. In March 1985, child restraint legislation was passed, making it compulsory for children under the age of six to be carried or seated in an approved child restraint device.

The incidence of safety equipment use among drivers and passengers involved in accidents appears to be increasing. Table 6.1 shows that of those drivers and passengers involved in accidents in 1987 who were in or on equipped vehicles, reported compliance was approximately 95%. As recently as 1982, this figure was only 70%. Due to the fact that inaccuracies may exist in the driver-reported data obtained from non-attended accidents, actual usage may be somewhat lower than these figures indicate.

There appears to be a greater incidence of restraint use among drivers than among their passengers.

TYPE OF SAFETY EQUIPMENT USED BY DRIVERS AND PASSENGERS IN 1987 ACCIDENTS

DRIVERS

SAFETY EQUIPMENT	NOT INJURED	INJURED	KILLED	TOTAL DRIVERS	PERCENT OF TOTAL
LAP & HARNESS	73,458	14,920	99	88,477	48.91
LAP BELT ONLY	11,521	2,154	10	13,685	7.56
NONE USED	3,395	1,993	115	5,503	3.04
NONE IN VEHICLE	1,087	252	6	1,345	0.74
HELMET	254	1,028	52	1,334	0.74
HARNESS ONLY	986	203	0	1,189	0.66
NO HELMET	19	126	8	153	0.08
AIR BAG	2	0	0	2	0.00
CHILD RESTRAINT	0	0	0	0	0.00
OTHER	1	0	0	1	0.00
UNKNOWN	66,529	2,681	20	69,230	38.27
TOTAL	157,252	23,357	310	180,919	100.00

PASSENGERS

SAFETY EQUIPMENT	NOT INJURED	INJURED	KILLED	TOTAL PASSENGERS	PERCENT OF TOTAL
LAP & HARNESS	25,137	6,203	39	31,379	49.39
LAP BELT ONLY	13,759	2,996	17	16,772	26.40
NONE USED	2,614	2,139	99	4,852	7.64
CHILD RESTRAINT	2,150	201	3	2,354	3.71
NONE IN VEHICLE	969	425	11	1,405	2.21
HARNESS ONLY	421	97	0	518	0.81
HELMET	54	179	4	237	0.37
NO HELMET	9	35	0	44	0.07
AIR BAG	0	0	0	0	0.00
OTHER	0	0	2	2	0.00
UNKNOWN	4,860	1,103	4	5,967	9.39
TOTAL	49,973	13,378	179	63,530	100.00

fig. 16

SAFETY EQUIPMENT USED IN 1987 ACCIDENTS
-DRIVERS-

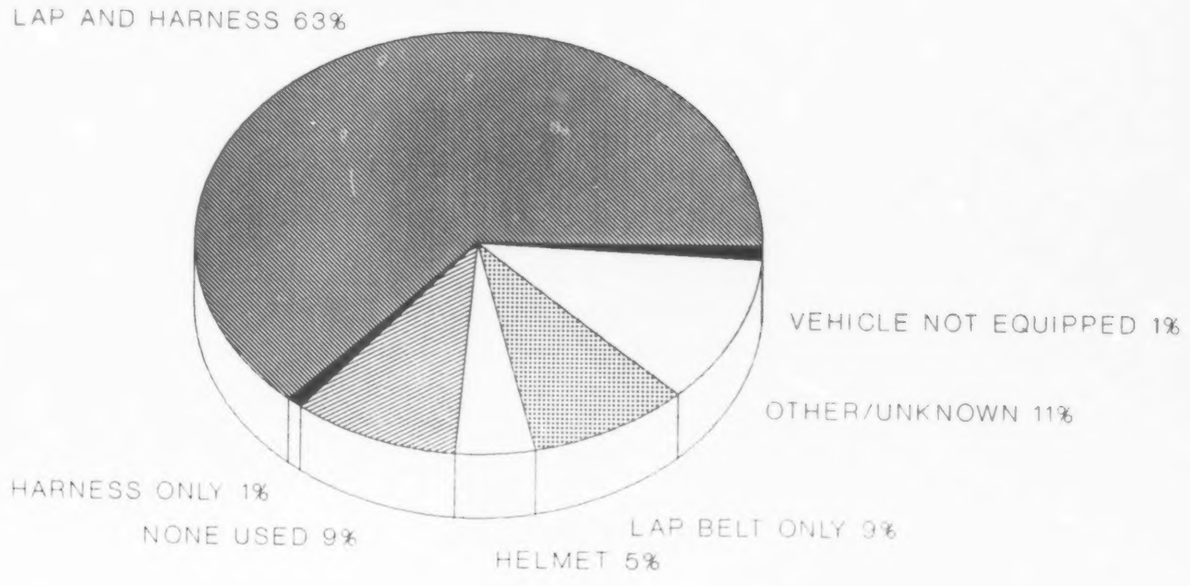
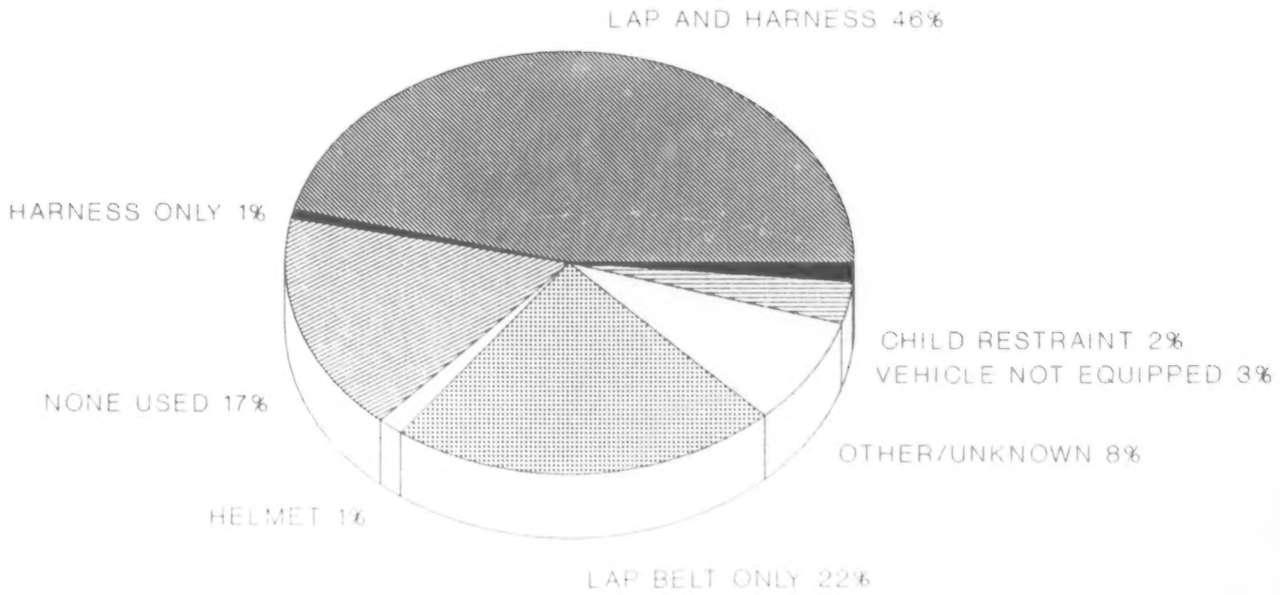


fig. 17

SAFETY EQUIPMENT USED IN 1987 ACCIDENTS
-PASSENGERS-



SAFETY EQUIPMENT USED FOR VICTIMS KILLED IN 1987 ACCIDENTS
BY POSITION IN VEHICLE

SAFETY EQUIPMENT	POSITION IN VEHICLE										TOTAL VICTIMS	PERCENT OF TOTAL
	DRIVER	CENTER FRONT	RIGHT FRONT	LEFT BACK	CENTER BACK	RIGHT BACK	CARGO AREA	HANGING ON	OTHER	UNKNOWN		
NONE USED	115	10	47	5	10	13	3	2	5	4	214	43.76
LAP AND HARNESS	99	1	38	0	0	0	0	0	0	0	138	28.22
HELMET	52	0	0	4	0	0	0	0	0	0	56	11.45
LAP BELT ONLY	10	1	3	3	2	7	1	0	0	0	27	5.52
NONE IN VEHICLE	6	0	5	0	1	0	3	1	1	0	17	3.48
NO HELMET	8	0	0	0	0	0	0	0	0	0	8	1.64
CHILD RESTRAINT	0	0	0	1	1	1	0	0	0	0	3	0.61
OTHER	0	0	1	1	0	0	0	0	0	0	2	0.41
UNKNOWN	20	1	2	1	0	0	0	0	0	0	24	4.91
TOTAL	310	13	96	15	14	21	7	3	6	4	489	100.00

NOTE: For motorcycles, "RIGHT FRONT" refers to a sidecar, and "LEFT BACK" refers to the position directly behind the motorcycle driver.

SAFETY EQUIPMENT USED FOR VICTIMS INJURED IN 1987 ACCIDENTS BY POSITION IN VEHICLE

SAFETY EQUIPMENT	POSITION IN VEHICLE											
	DRIVER	CENTER FRONT	RIGHT FRONT	LEFT BACK	CENTER BACK	RIGHT BACK	CARGO AREA	HANGING ON	OTHER	UNKNOWN	TOTAL VICTIMS	PERCENT OF TOTAL
LAP AND HARNESS	14,920	522	5,295	147	43	180	8	0	6	2	21,123	57.50
LAP BELT ONLY	2,154	297	878	707	210	858	24	3	15	4	5,150	14.02
NONE USED	1,993	286	1,070	248	135	244	60	30	46	20	4,132	11.25
HELMET	1,028	2	3	168	1	1	0	4	0	0	1,207	3.28
NONE IN VEHICLE	252	45	94	37	44	41	48	13	99	4	677	1.84
HARNESS ONLY	203	11	61	13	2	10	0	0	0	0	300	0.82
CHILD RESTRAINT	0	16	36	55	31	57	3	0	2	1	201	0.55
NO HELMET	126	0	0	31	0	0	0	4	0	0	161	0.44
OTHER	0	0	0	0	0	0	0	0	0	0	0	0.00
UNKNOWN	2,681	80	598	222	35	94	19	31	10	14	3,784	10.30
TOTAL	23,357	1,259	8,035	1,628	501	1,485	162	85	178	45	36,735	100.00

NOTE: For motorcycles, "RIGHT FRONT" refers to a sidecar, and "LEFT BACK" refers to the position directly behind the motorcycle driver.

DRIVER AGE BY SAFETY EQUIPMENT USED FOR DRIVERS KILLED IN 1987 ACCIDENTS

DRIVER AGE	SAFETY EQUIPMENT										
	VEHICLE NOT EQUIPPED	NONE USED	LAP BELT ONLY	HARNESS ONLY	LAP & HARNESS	HELMET	NO HELMET	OTHER	UNKNOWN	TOTAL VICTIMS	PERCENT OF TOTAL
1 - 10	0	0	0	0	0	0	0	0	0	0	0.00
11 - 15	0	0	0	0	0	2	0	0	0	2	0.65
16	1	5	0	0	1	1	0	0	0	8	2.58
17	1	5	0	0	4	2	0	0	0	12	3.87
18	0	9	0	0	3	0	0	0	1	13	4.19
19	0	8	0	0	4	4	0	0	0	16	5.16
20	0	3	0	0	3	2	0	0	0	8	2.58
21 - 25	0	20	3	0	13	15	2	0	3	56	18.07
26 - 30	3	14	2	0	12	7	2	0	2	42	13.55
31 - 35	1	9	0	0	11	10	1	0	1	33	10.65
36 - 40	0	8	0	0	7	4	2	0	1	22	7.10
41 - 45	0	2	1	0	8	3	0	0	5	19	6.13
46 - 50	0	4	0	0	10	1	1	0	1	17	5.48
51 - 55	0	7	1	0	4	0	0	0	2	14	4.52
56 - 60	0	11	1	0	0	1	0	0	0	13	4.19
61 - 65	0	1	0	0	5	0	0	0	2	8	2.58
66 - 70	0	1	1	0	3	0	0	0	0	5	1.61
71 - 75	0	5	1	0	3	0	0	0	1	10	3.23
76 - 80	0	2	0	0	2	0	0	0	1	5	1.61
86 - 90	0	1	0	0	4	0	0	0	0	5	1.61
91 - 95	0	0	0	0	1	0	0	0	0	1	0.32
OVER 95	0	0	0	0	1	0	0	0	0	1	0.32
TOTAL	6	115	10	0	99	52	8	0	20	310	100.00

DRIVER AGE BY SAFETY EQUIPMENT USED FOR DRIVERS
INJURED IN 1986 ACCIDENTS

DRIVER AGE	SAFETY EQUIPMENT									TOTAL VICTIMS	PERCENT OF TOTAL
	VEHICLE NOT EQUIPPED	NONE USED	LAP BELT ONLY	HARNESS ONLY	LAP & HARNESS	HELMET	NO HELMET	OTHER	UNKNOWN		
1 - 10	0	4	1	0	2	2	2	0	2	13	0.06
11 - 15	5	16	2	0	22	11	5	0	9	70	0.30
16	11	62	52	6	325	21	5	0	43	525	2.25
17	13	106	93	11	478	33	7	0	72	813	3.49
18	7	122	98	9	564	59	7	0	120	986	4.22
19	13	133	123	13	538	82	5	0	134	1,041	4.46
20	12	112	97	5	551	69	7	0	145	998	4.27
21 - 25	58	467	440	34	2,501	287	31	0	585	4,403	18.85
26 - 30	40	282	305	24	2,104	170	22	0	415	3,362	14.39
31 - 35	27	230	252	22	1,752	118	25	0	303	2,729	11.68
36 - 40	28	129	206	7	1,586	77	5	0	266	2,304	9.86
41 - 45	14	100	134	23	1,077	32	2	0	144	1,526	6.53
46 - 50	5	63	93	13	847	20	1	0	107	1,149	4.92
51 - 55	6	56	86	10	707	20	1	0	71	957	4.10
56 - 60	1	34	56	9	575	13	1	0	86	775	3.32
61 - 65	3	27	42	6	454	7	0	0	57	596	2.55
66 - 70	2	13	17	6	369	4	0	0	38	449	1.92
71 - 75	1	10	23	2	272	1	0	0	27	336	1.44
76 - 80	4	10	23	3	124	1	0	0	13	178	0.76
81 - 85	0	9	8	0	43	0	0	0	7	67	0.29
86 - 90	0	1	2	0	8	0	0	0	3	14	0.06
91 - 95	0	0	0	0	0	0	0	0	0	0	0.00
OVER 95	0	0	0	0	1	0	0	0	0	1	0.00
UNKNOWN	2	7	1	0	20	1	0	0	37	68	0.29
TOTAL	252	1,993	2,154	203	14,920	1,028	126	0	2,681	23,360	100.00

PASSENGER AGE BY SAFETY EQUIPMENT USED FOR PASSENGERS KILLED IN 1987 ACCIDENTS

VICTIM AGE	SAFETY EQUIPMENT											TOTAL VICTIMS	PERCENT OF TOTAL
	VEHICLE NOT EQUIPPED	NONE USED	LAP BELT ONLY	HARNESS ONLY	LAP AND HARNESS	AIR BAG	CHILD RESTRAINT	HELMET	NO HELMET	OTHER	UNKNOWN		
1	0	3	0	0	0	0	3	0	0	0	0	6	3.35
2	0	1	0	0	0	0	0	0	0	0	0	1	0.56
3	0	1	0	0	0	0	0	0	0	0	0	1	0.56
4	0	2	1	0	0	0	0	0	0	0	0	3	1.68
5	0	0	1	0	0	0	0	0	0	0	0	1	0.56
6 - 10	0	2	1	0	0	0	0	0	0	0	0	3	1.68
11- 15	1	1	0	0	1	0	0	0	0	0	0	3	1.68
16	0	2	2	0	1	0	0	1	0	0	1	7	3.91
17	1	1	0	0	3	0	0	0	0	0	0	5	2.79
18	0	5	2	0	1	0	0	1	0	0	0	9	5.03
19	0	3	2	0	1	0	0	0	0	0	0	6	3.35
20	3	4	2	0	0	0	0	0	0	0	0	9	5.03
21- 25	4	16	2	0	3	0	0	0	0	0	1	26	14.52
26- 30	0	20	0	0	5	0	0	1	0	0	0	26	14.52
31- 35	0	10	0	0	2	0	0	0	0	0	1	13	7.27
36- 40	0	5	1	0	2	0	0	1	0	0	0	9	5.03
41- 45	0	4	0	0	0	0	0	0	0	0	0	4	2.23
46- 50	1	4	0	0	3	0	0	0	0	0	0	8	4.47
51- 55	0	2	0	0	5	0	0	0	0	0	0	7	3.91
56- 60	0	5	1	0	1	0	0	0	0	0	0	7	3.91
61- 65	0	2	0	0	4	0	0	0	0	0	0	6	3.35
66- 70	0	1	1	0	4	0	0	0	0	0	0	6	3.35
71- 75	1	1	0	0	1	0	0	0	0	0	1	4	2.23
76- 80	0	1	0	0	0	0	0	0	0	0	0	1	0.56
81- 85	0	0	0	0	0	0	0	0	0	0	0	0	0.00
86- 90	0	2	1	0	2	0	0	0	0	0	0	5	2.79
91- 95	0	0	0	0	0	0	0	0	0	0	0	0	0.00
OVER 95	0	0	0	0	0	0	0	0	0	0	0	0	0.00
UNKNOWN	0	1	0	0	0	0	0	0	0	0	2	3	1.68
TOTAL	11	99	17	0	39	0	3	4	0	0	6	179	100.00

PASSENGER AGE BY SAFETY EQUIPMENT USED FOR PASSENGERS INJURED IN 1987 ACCIDENTS

VICTIM AGE	SAFETY EQUIPMENT										TOTAL VICTIMS	PERCENT OF TOTAL
	VEHICLE NOT EQUIPPED	NONE USED	LAP BELT ONLY	HARNESS ONLY	LAP AND HARNESS	CHILD RESTRAINT	HELMET	NO HELMET	OTHER	UNKNOWN		
1	7	13	9	0	11	67	0	0	0	4	111	0.83
2	1	9	19	1	10	55	0	0	0	3	98	0.73
3	6	12	34	0	22	30	0	0	0	6	110	0.82
4	4	14	60	1	28	23	2	0	0	4	136	1.02
5	8	21	56	1	36	4	1	0	0	5	132	0.99
6 - 10	27	91	317	4	197	5	3	0	0	20	664	4.96
11 - 15	43	182	352	1	326	0	13	4	0	45	966	7.22
16	24	117	159	5	209	2	14	2	0	37	569	4.25
17	17	195	192	10	274	2	15	4	0	42	751	5.61
18	21	148	130	5	244	0	5	1	0	49	603	4.51
19	18	134	137	3	238	0	13	2	0	45	590	4.41
20	22	94	117	3	235	0	19	2	0	42	534	3.99
21 - 25	78	401	379	11	915	2	35	11	0	134	1,966	14.70
26 - 30	29	206	241	9	637	1	24	3	0	96	1,246	9.31
31 - 35	22	117	136	7	430	1	13	2	0	62	790	5.91
36 - 40	15	64	105	3	374	0	2	2	0	41	606	4.53
41 - 45	7	37	80	4	293	0	1	0	0	30	452	3.38
46 - 50	8	44	69	6	258	0	5	0	0	22	412	3.08
51 - 55	3	21	67	6	214	0	1	0	0	16	328	2.45
56 - 60	8	19	60	4	238	0	1	0	0	16	346	2.59
61 - 65	6	16	55	2	226	1	1	0	0	13	320	2.39
66 - 70	6	17	33	4	187	1	0	0	0	16	264	1.97
71 - 75	4	13	36	2	119	0	0	0	0	9	183	1.37
76 - 80	4	4	22	2	80	0	0	0	0	5	117	0.88
81 - 85	3	4	11	0	34	0	0	0	0	3	55	0.41
86 - 90	0	3	6	0	12	0	0	0	0	1	22	0.16
91 - 95	0	0	1	0	5	0	0	0	0	0	6	0.05
OVER 95	0	0	1	0	2	0	0	0	0	0	3	0.02
UNKNOWN	34	143	112	3	349	7	11	2	0	337	998	7.46
TOTAL	425	2,139	2,996	97	6,203	201	179	35	0	1,103	13,378	100.00

SECTION 7

ENVIRONMENTAL FACTORS

1987 ENVIRONMENTAL FACTORS

The environmental conditions reported in accidents do not vary greatly from year to year. Environmental factors were reported to be a major contributing factor in 15.23% of the accidents in which factors were reported in 1987, compared to 15.53% in 1986.

The degree to which certain environmental conditions are represented in accidents reflects the degree to which these conditions are found in the overall environment.

For example, the fact that the majority of accidents occur on asphalt roads does not mean that these roads are more dangerous, but rather that they are the predominant road surface.

1987 ACCIDENTS BY ROAD TYPE

7.1

ROAD TYPE	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
ASPHALT	63,084	26,176	494	89,754	78.48
GRAVEL	3,683	1,036	30	4,749	16.20
CONCRETE	405	142	5	552	4.15
EARTH	413	112	8	533	0.48
OILED GRAVEL	56	29	3	88	0.47
WOOD	39	15	0	54	0.08
BRICK/STONE	22	10	1	33	0.06
OTHER	58	13	1	72	0.03
UNKNOWN	16,870	1,661	0	18,531	0.05
TOTAL	84,630	29,194	542	114,366	100.00

1987 ACCIDENTS BY ROADWAY SURFACE CONDITION

7.2

SURFACE CONDITION	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
DRY	53,039	19,175	371	72,585	63.47
WET	22,090	7,906	124	30,120	26.33
ICY	3,705	1,023	15	4,743	4.15
SNOW	2,400	514	15	2,929	2.56
SLUSH	796	248	9	1,053	0.92
MUDDY	153	44	1	198	0.17
OTHER	82	39	1	122	0.11
UNKNOWN	2,365	245	6	2,616	2.29
TOTAL	84,630	29,194	542	114,366	100.00

1987 ACCIDENTS BY ROAD TYPE

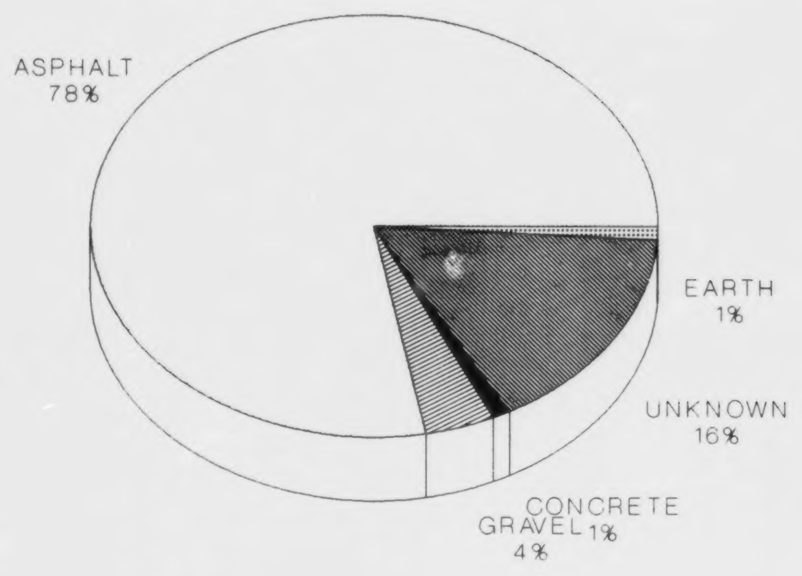
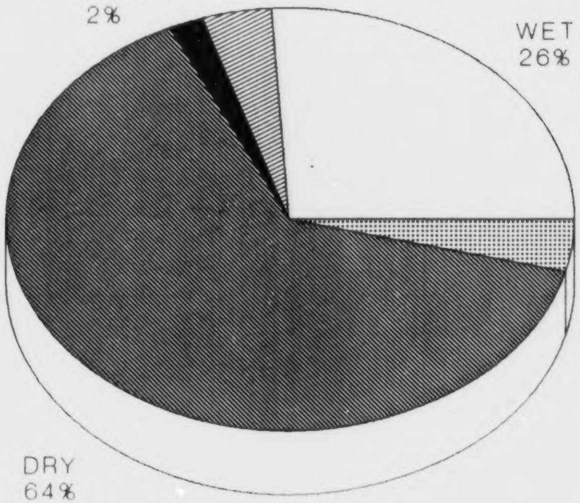


fig. 18

fig. 19

1987 ACCIDENTS
BY ROADWAY SURFACE CONDITION



1987 ACCIDENTS BY LIGHTING CONDITION

7.3

LIGHTING CONDITION	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
DAYLIGHT	52,111	18,511	261	70,883	61.98
DARK/SOME ILLUMINATION	12,453	3,926	78	16,457	14.39
DARK/NO ILLUMINATION	6,855	2,734	138	9,727	8.50
DARK/FULL ILLUMINATION	6,072	2,205	36	8,313	7.27
DUSK	2,996	1,109	12	4,117	3.60
DAWN	1,085	501	11	1,597	1.40
OTHER	111	0	1	112	0.10
UNKNOWN	2,947	208	5	3,160	2.76
TOTAL	84,630	29,194	542	114,366	100.00

1987 ACCIDENTS BY WEATHER CONDITION

7.4

WEATHER CONDITION	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
CLEAR	44,302	15,489	291	60,082	52.53
CLOUDY	20,983	7,673	143	28,799	25.18
RAIN	13,281	4,825	75	18,181	15.90
SNOW/SLEET	2,256	612	17	2,885	2.52
FOG	678	247	7	932	0.82
STRONG WIND	47	12	1	60	0.05
SMOG/SMOKE	22	11	1	34	0.03
HAIL	16	11	0	27	0.02
OTHER	78	7	1	86	0.08
UNKNOWN	2,967	307	6	3,280	2.87
TOTAL	84,630	29,194	542	114,366	100.00

1987 ACCIDENTS BY LIGHTING CONDITION

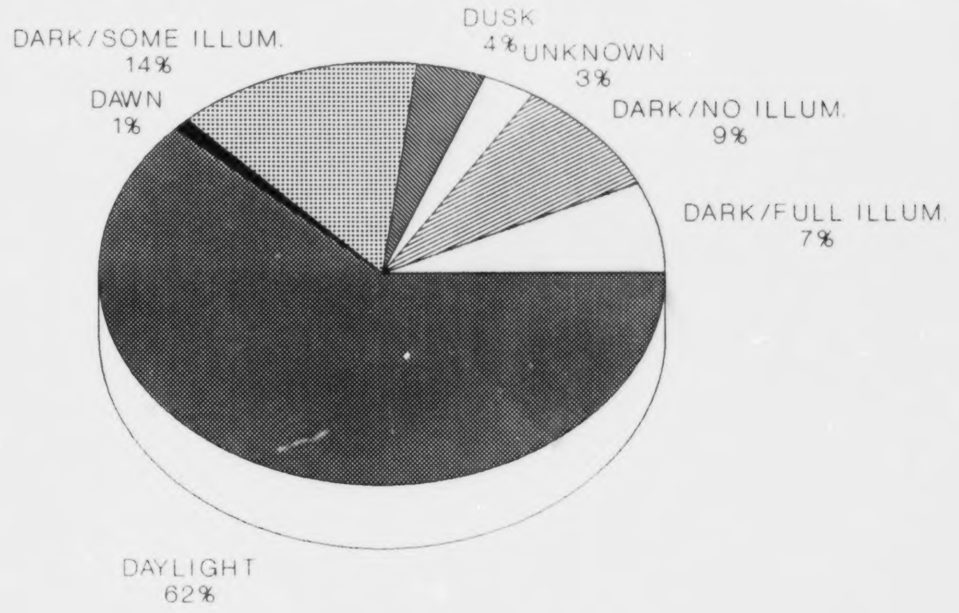


fig. 20

1987 ACCIDENTS BY WEATHER CONDITION

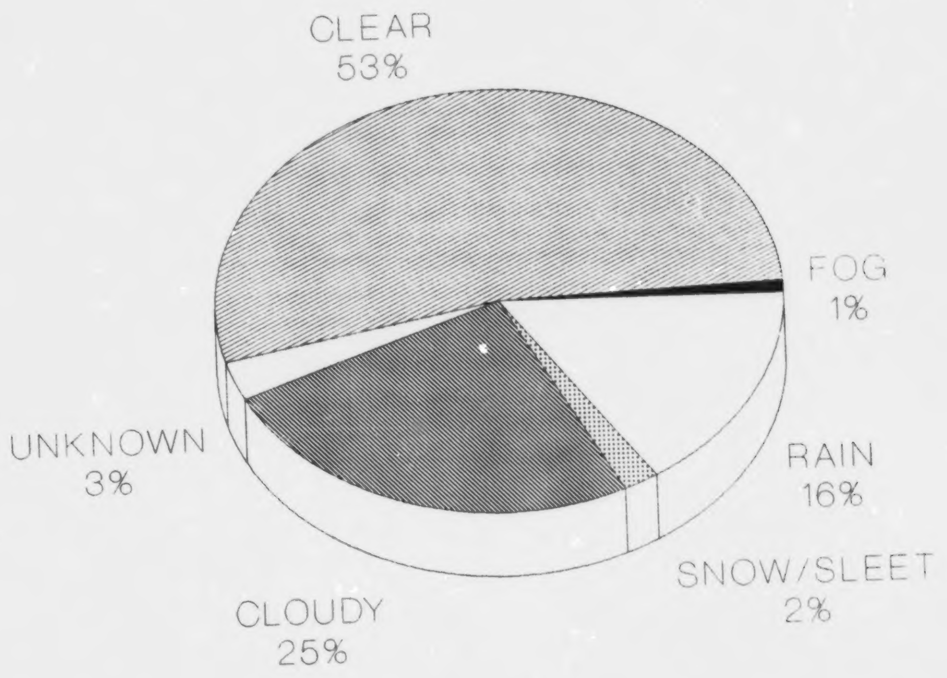


fig. 21

1987 ACCIDENTS BY LAND USAGE

LAND USAGE	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
BUSINESS/SHOPPING	25,229	8,323	65	33,617	29.40
URBAN RESIDENTIAL	15,655	7,201	79	22,935	20.06
AGRICULTURAL/UNDEVELOPED	10,330	5,102	260	15,692	13.72
APARTMENT RESIDENTIAL	4,142	1,572	8	5,722	5.00
RURAL RESIDENTIAL	3,722	1,914	64	5,700	4.98
INDUSTRIAL/MANUFACTURING	3,695	1,669	32	5,396	4.72
RECREATIONAL/PARK/CAMPING	1,739	665	20	2,424	2.12
SCHOOL/PLAYGROUND	1,688	635	12	2,335	2.04
OTHER	112	48	2	162	0.14
UNKNOWN	18,318	2,065	0	20,383	17.82
TOTAL	84,630	29,194	542	114,366	100.00

1987 ACCIDENTS BY LAND USAGE

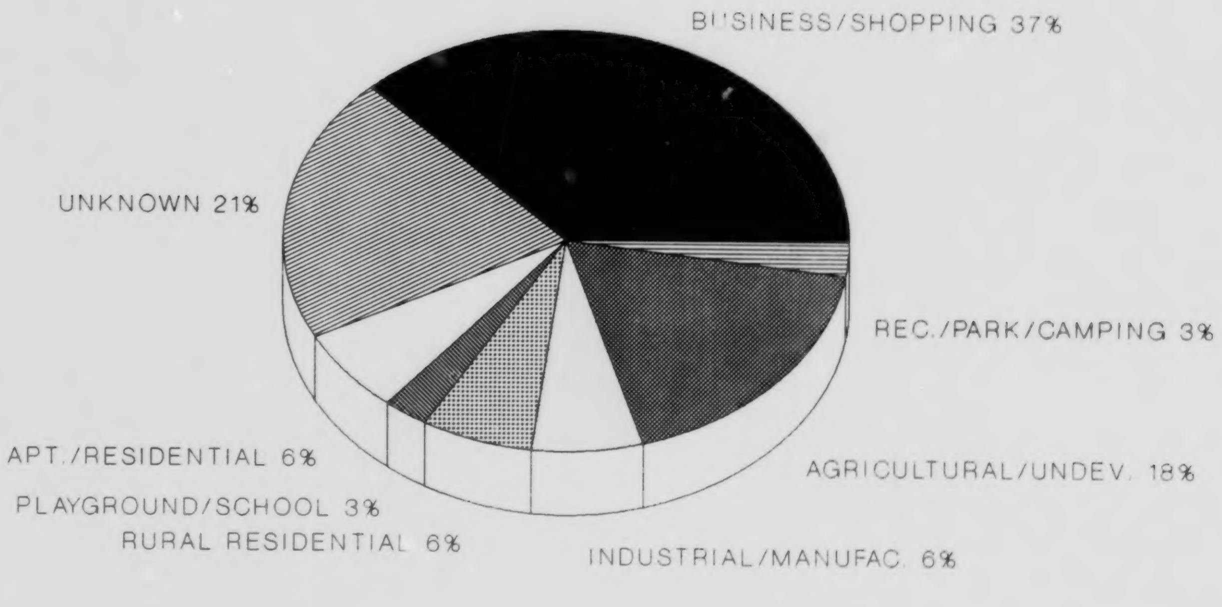
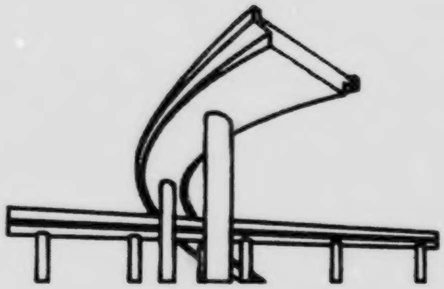


fig. 22

SECTION 8



ACCIDENT CONFIGURATIONS

ACCIDENT CONFIGURATIONS

We have included two new primary accident occurrence tables this year, one for single vehicle accidents and one for multiple vehicle accidents. These tables show that 41% of all single vehicle accidents involve going off the road, and the highest proportion of multiple vehicle accidents, 23%, are rear end collisions.

The proportion of accidents which occur on municipal streets has risen 5% from 1986 while the proportion which occur on provincial highways has decreased by 5% from last year.

Forty-one percent of all accidents occurred at intersections in 1987. This is a slight decrease from the 1986 figure of 42%.

1987 ACCIDENTS BY PRIMARY ACCIDENT OCCURRENCE

PRIMARY ACCIDENT OCCURRENCE	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
REAR END	13,215	7,255	19	20,489	17.92
RIGHT ANGLE COLLISION	9,617	4,799	68	14,484	12.66
OFF ROAD - RIGHT	6,362	3,225	113	9,700	8.48
OFF ROAD - LEFT	4,270	2,243	69	6,582	5.76
SIDE SWIPE	4,825	710	24	5,559	4.86
LEFT TURN - ACROSS ONCOMING TRAFFIC	3,412	1,541	16	4,969	4.34
OVERTAKING	2,294	682	11	2,987	2.61
HEAD ON	1,648	971	95	2,714	2.37
BACKING UP	2,058	123	1	2,182	1.91
LEFT TURN - HEAD ON	1,291	479	9	1,779	1.56
LEFT TURN - ONE WAY	687	191	4	882	0.77
RIGHT TURN - REAR END	584	160	0	744	0.65
RIGHT TURN - HEAD ON	324	114	1	439	0.38
ONE WAY STREET	257	66	1	324	0.28
RIGHT TURN - SAME DIRECTION	78	27	0	105	0.09
RIGHT TURN - OPPOSITE DIRECTION	38	8	0	46	0.04
UNKNOWN	3,822	1,053	8	4,883	4.27
OTHER	29,848	5,547	103	35,498	31.04
TOTAL	84,630	29,194	542	114,366	100.00

NOTE: The primary accident occurrence categories were modified for 1987 data, therefore comparison between 1987 and prior years is not recommended.

1987 SINGLE VEHICLE ACCIDENTS BY PRIMARY ACCIDENT OCCURRENCE

PRIMARY ACCIDENT OCCURRENCE	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
OFF ROAD - RIGHT	4,073	2,464	104	6,641	24.24
OFF ROAD - LEFT	2,777	1,704	59	4,540	16.57
RIGHT ANGLE COLLISION	1,290	1,005	30	2,325	8.49
HEAD ON	788	185	22	995	3.63
LEFT TURN - ACROSS ONCOMING TRAFFIC	322	248	4	574	2.10
OVERTAKING	284	171	8	463	1.69
SIDE SWIPE	343	67	1	411	1.50
LEFT TURN - HEAD ON	138	93	5	236	0.86
BACKING UP	140	39	1	180	0.66
LEFT TURN - ONE WAY	95	56	2	153	0.56
REAR END	97	25	1	123	0.45
RIGHT TURN - REAR END	60	44	0	104	0.38
RIGHT TURN - HEAD ON	52	28	1	81	0.30
ONE WAY STREET	48	20	1	69	0.25
RIGHT TURN - SAME DIRECTION	13	3	0	16	0.06
RIGHT TURN - OPPOSITE DIRECTION	11	4	0	15	0.05
UNKNOWN	732	405	6	1,143	4.17
OTHER	6,542	2,707	77	9,326	34.04
TOTAL	17,805	9,268	322	27,395	100.00

1987 MULTIPLE VEHICLE ACCIDENTS BY PRIMARY ACCIDENT OCCURRENCE

PRIMARY ACCIDENT OCCURRENCE	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
REAR END	13,118	7,230	18	20,366	23.42
RIGHT ANGLE COLLISION	8,327	3,794	38	12,159	13.98
SIDE SWIPE	4,482	643	23	5,148	5.92
LEFT TURN - ACROSS ONCOMING TRAFFIC	3,090	1,293	12	4,395	5.05
OFF ROAD - RIGHT	2,289	761	9	3,059	3.52
OVERTAKING	2,010	511	3	2,524	2.90
OFF ROAD - LEFT	1,493	539	10	2,042	2.35
BACKING UP	1,918	84	0	2,002	2.30
HEAD ON	860	786	73	1,719	1.98
LEFT TURN - HEAD ON	1,153	386	4	1,543	1.77
LEFT TURN - ONE WAY	592	135	2	729	0.84
RIGHT TURN - REAR END	524	116	0	640	0.74
RIGHT TURN - HEAD ON	272	86	0	358	0.41
ONE WAY STREET	209	46	0	255	0.29
RIGHT TURN - SAME DIRECTION	65	24	0	89	0.10
RIGHT TURN - OPPOSITE DIRECTION	27	4	0	31	0.04
OTHER	23,306	2,840	26	26,172	30.09
UNKNOWN	3,090	648	2	3,740	4.30
TOTAL	66,825	19,926	220	86,971	100.00

1987 ACCIDENTS BY ACCIDENT LOCATION

ACCIDENT LOCATION	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
BETWEEN INTERSECTIONS	31,589	11,294	340	43,223	37.79
AT INTERSECTION	26,048	13,027	124	39,199	34.28
PARKING LOT	14,136	475	2	14,613	12.78
ROAD/DRIVEWAY INTERSECTION	5,431	1,954	25	7,410	6.48
BRIDGE	1,117	567	24	1,708	1.49
OFF HIGHWAY	1,207	362	1	1,570	1.37
ENTRANCE RAMP	318	139	2	459	0.40
EXIT RAMP	267	107	0	374	0.33
INDUSTRIAL ROAD	258	95	8	361	0.32
RAILROAD CROSSING	187	72	4	263	0.23
ENTRANCE INTERSECTION	157	69	0	226	0.20
ENTRANCE ACCELERATION LANE	136	80	1	217	0.19
EXIT INTERSECTION	102	46	1	149	0.13
FERRY OR DOCK	98	21	1	120	0.10
EXIT DECELERATION LANE	69	32	1	102	0.09
TUNNEL	53	29	0	82	0.07
OTHER	470	147	7	624	0.55
UNKNOWN	2,987	678	1	3,666	3.21
TOTAL	84,630	29,194	542	114,366	100.00

1987 ACCIDENTS BY ROAD JURISDICTION

ROAD JURISDICTION	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
MUNICIPAL STREET	69,515	21,696	247	91,458	79.97
PROVINCIAL HIGHWAY	15,106	7,495	294	22,895	20.02
UNKNOWN	9	3	1	13	.01
TOTAL	84,630	29,194	542	114,366	100.00

1987 ACCIDENTS BY SPEED BY ROAD JURISDICTION

- MUNICIPAL STREET -

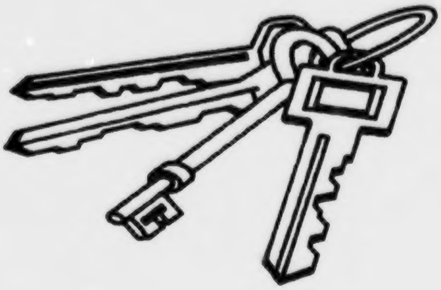
SPEED	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
POSTED 50 KM/H	27,410	12,854	123	40,387	44.16
POSTED 60 KM/H	3,445	2,100	45	5,590	6.11
POSTED 30 KM/H	2,072	560	5	2,637	2.88
ADVISORY 50 KM/H	1,583	915	9	2,507	2.74
POSTED 80 KM/H	1,317	717	35	2,069	2.26
POSTED 10 KM/H	926	67	0	993	1.09
POSTED 20 KM/H	555	84	0	639	0.70
POSTED 70 KM/H	314	214	8	536	0.59
ADVISORY 30 KM/H	407	92	0	499	0.55
POSTED 10 KM/H	453	29	0	482	0.53
POSTED 40 KM/H	333	100	1	434	0.47
SPECIAL 10 KM/H	384	7	0	391	0.43
ADVISORY 20 KM/H	334	47	0	381	0.42
POSTED 90 KM/H	150	33	1	184	0.20
ADVISORY 80 KM/H	125	54	2	181	0.20
SPECIAL 30 KM/H	103	23	2	128	0.14
ADVISORY 60 KM/H	63	53	3	119	0.13
ADVISORY 40 KM/H	84	31	0	115	0.13
SPECIAL 50 KM/H	78	20	1	99	0.11
SPECIAL 20 KM/H	82	8	0	90	0.10
POSTED 100 KM/H	23	9	0	32	0.03
SPECIAL 80 KM/H	15	13	0	28	0.03
SPECIAL 40 KM/H	9	4	0	13	0.01
SPECIAL 60 KM/H	5	5	0	10	0.01
ADVISORY 70 KM/H	5	4	0	9	0.01
SPECIAL 100 KM/H	1	4	0	5	0.01
ADVISORY 100 KM/H	2	2	0	4	0.00
ADVISORY 90 KM/H	3	0	0	3	0.00
OTHER	491	51	8	550	0.60
UNKNOWN	28,743	3,596	4	32,343	35.36
TOTAL	69,515	21,696	247	91,458	100.00

1987 ACCIDENTS BY SPEED BY ROAD JURISDICTION

- PROVINCIAL HIGHWAY -

SPEED	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
POSTED 90 KM/H	3,504	1,467	101	5,072	22.15
POSTED 50 KM/H	3,332	1,624	22	4,978	21.74
POSTED 80 KM/H	3,100	1,781	78	4,959	21.66
ADVISORY 60 KM/H	1,923	1,083	31	3,037	13.26
POSTED 70 KM/H	594	336	10	940	4.10
POSTED 100 KM/H	503	238	21	762	3.33
ADVISORY 50 KM/H	173	92	7	272	1.19
ADVISORY 60 KM/H	129	123	13	265	1.16
POSTED 30 KM/H	133	59	0	192	0.84
ADVISORY 30 KM/H	86	28	0	114	0.50
ADVISORY 40 KM/H	52	44	1	97	0.42
POSTED 40 KM/H	51	15	0	66	0.29
ADVISORY 80 KM/H	47	11	1	59	0.26
POSTED 10 KM/H	48	9	0	57	0.25
SPECIAL 50 KM/H	29	22	0	51	0.22
ADVISORY 70 KM/H	23	19	3	45	0.20
POSTED 20 KM/H	41	3	0	44	0.19
SPECIAL 60 KM/H	13	8	0	21	0.09
ADVISORY 20 KM/H	14	5	0	19	0.08
ADVISORY 10 KM/H	15	3	0	18	0.08
SPECIAL 30 KM/H	14	3	1	18	0.08
SPECIAL 10 KM/H	10	3	0	13	0.06
ADVISORY 90 KM/H	4	5	0	9	0.04
SPECIAL 70 KM/H	3	4	0	7	0.03
SPECIAL 80 KM/H	6	0	0	6	0.03
SPECIAL 20 KM/H	2	1	0	3	0.01
ADVISORY 100 KM/H	2	0	0	2	0.01
SPECIAL 40 KM/H	1	1	0	2	0.01
SPECIAL 100 KM/H	0	1	0	1	0.00
OTHER	47	25	3	75	0.33
UNKNOWN	1,207	482	2	1,691	7.39
TOTAL	15,106	7,495	294	22,895	100.00

SECTION 9



LICENCED DRIVERS

1987 LICENCED DRIVERS

Drivers licenced in British Columbia totalled 2,397,028 at the end of 1987. Newly licenced drivers accounted for 86,591 or 4% of this total.

Table 9.1 examines two items:

1) The proportion of a specific age group's involvement in accidents.
2) The proportion of drivers within a specific age group who are involved in accidents.

It is apparent that certain age groups are over-represented in traffic accidents.

Seventeen year old drivers, for example, made up only 1% of all licenced drivers but accounted for 3% of the total drivers involved in accidents in 1987.

As well, an unusually high proportion of seventeen year old drivers were involved in accidents - 17% of the total age group population.

Older age categories tend to be more evenly represented in both the driver population as a whole and the population of drivers involved in accidents.

COMPARISON OF LICENCED DRIVERS AND DRIVERS INVOLVED IN 1987 ACCIDENTS BY AGE

COMPARISON	DRIVER AGE										
	UNK	UNDER 16	16	17	18	19	20	21-25	26-30	31-35	36-40
LICENCED DRIVERS	0	0	22,113	33,319	36,718	37,894	39,318	252,590	315,686	317,794	289,563
PERCENT OF TOTAL DRIVER POPULATION	0.0	0.0	0.92	1.39	1.53	1.58	1.64	10.54	13.17	13.27	12.08
DRIVERS INVOLVED IN ACCIDENTS	24,451	241	3,695	5,639	6,138	6,280	5,840	26,802	21,823	18,153	15,706
PERCENT OF TOTAL DRIVERS INVOLVED IN ACCIDENTS	13.43	0.13	2.03	3.10	3.38	3.45	3.22	14.72	11.99	9.97	8.63
PERCENT OF AGE GROUP DRIVER POPULATION INVOLVED IN ACCIDENTS	N/A	N/A	16.71	16.92	16.72	16.57	14.85	10.61	6.91	5.71	5.42

cont'd...

COMPARISON OF LICENCED DRIVERS AND DRIVERS INVOLVED IN 1987 ACCIDENTS BY AGE

... cont'd.

COMPARISON	DRIVER AGE									TOTAL
	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81+	
LICENCED DRIVERS	222,016	165,934	140,247	131,904	96,989	123,301	78,772	48,726	44,144	2,397,028
PERCENT OF TOTAL DRIVER POPULATION	9.26	6.92	5.85	5.50	4.05	5.14	3.29	2.03	1.84	100 %
DRIVERS INVOLVED IN ACCIDENTS	11,215	8,427	7,251	6,159	5,005	3,864	2,899	1,606	842	182,036
PERCENT OF TOTAL DRIVERS INVOLVED IN ACCIDENTS	6.16	4.63	3.98	3.38	2.75	2.12	1.59	0.88	0.46	100 %
PERCENT OF AGE GROUP DRIVER POPULATION INVOLVED IN ACCIDENTS	5.05	5.08	5.17	4.67	5.17	3.13	3.68	3.30	1.91	7.59

DRIVER AGE BY SEX BY ACCIDENT TYPE IN 1987 ACCIDENTS

	ACCIDENT TYPE															
	PROPERTY DAMAGE ACCIDENTS				PERSONAL INJURY ACCIDENTS				FATAL ACCIDENTS				TOTAL DRIVERS			
AGE	MALE	FEMALE	UNK.	TOTAL	MALE	FEMALE	UNK.	TOTAL	MALE	FEMALE	UNK.	TOTAL	MALE	FEMALE	UNK.	TOTAL
1 - 5	8	1	0	9	3	0	0	3	0	0	0	0	11	1	0	12
6 -10	5	2	0	7	2	2	0	4	0	0	0	0	7	4	0	11
11-15	97	41	0	138	60	18	0	78	2	0	0	2	159	59	0	218
16	1,906	772	1	2,679	675	325	1	1,001	10	5	0	15	2,591	1,102	2	3,695
17	2,827	1,094	0	3,921	1,221	473	1	1,695	20	3	0	23	4,068	1,570	1	5,639
18	3,072	1,157	3	4,232	1,328	544	1	1,873	24	9	0	33	4,424	1,710	4	6,138
19	3,185	1,118	2	4,305	1,399	540	2	1,941	32	2	0	34	4,616	1,660	4	6,280
20	2,958	1,075	1	4,034	1,299	477	0	1,776	29	1	0	30	4,286	1,553	1	5,840
21-25	13,321	5,199	9	18,529	5,791	2,346	2	8,139	118	16	0	134	19,230	7,561	11	26,802
26-30	10,688	4,429	5	15,122	4,608	1,989	1	6,598	89	14	0	103	15,385	6,432	6	21,823
31-35	8,664	3,931	3	12,598	3,620	1,844	2	5,466	70	19	0	89	12,354	5,794	5	18,153
36-40	7,341	3,649	7	10,997	3,015	1,627	3	4,645	53	11	0	64	10,409	5,287	10	15,706
41-45	5,347	2,574	5	7,926	2,102	1,126	1	3,229	50	10	0	60	7,499	3,710	6	11,215
46-50	4,180	1,791	3	5,974	1,649	770	2	2,421	25	7	0	32	5,854	2,568	5	8,427
51-55	3,744	1,443	1	5,188	1,399	624	1	2,024	32	7	0	39	5,175	2,074	2	7,251
56-60	3,174	1,184	0	4,358	1,247	524	1	1,772	24	5	0	29	4,445	1,713	1	6,159
61-65	2,540	1,038	3	3,581	961	433	0	1,394	25	5	0	30	3,526	1,476	3	5,005
66-70	1,947	870	1	2,818	724	311	0	1,035	8	3	0	11	2,679	1,184	1	3,864
71-75	1,437	622	0	2,059	549	271	0	820	17	3	0	20	2,003	896	0	2,899
76-80	853	320	0	1,173	300	122	0	422	9	2	0	11	1,162	444	0	1,606
81-85	385	108	0	493	139	39	0	178	7	0	0	7	531	147	0	678
86-90	91	17	0	108	27	10	0	37	1	1	0	2	119	28	0	147
91-95	7	2	0	9	1	1	0	2	1	0	0	1	9	3	0	12
OVER 95	3	0	0	3	1	1	0	2	0	0	0	0	4	1	0	5
UNKNOWN	2,570	905	18,573	22,048	523	183	1,685	2,391	0	0	12	12	3,093	1,088	20,270	24,451
TOTAL	80,350	33,342	18,617	132,309	32,643	14,600	1,703	48,946	646	123	12	781	113,639	48,065	20,332	182,036

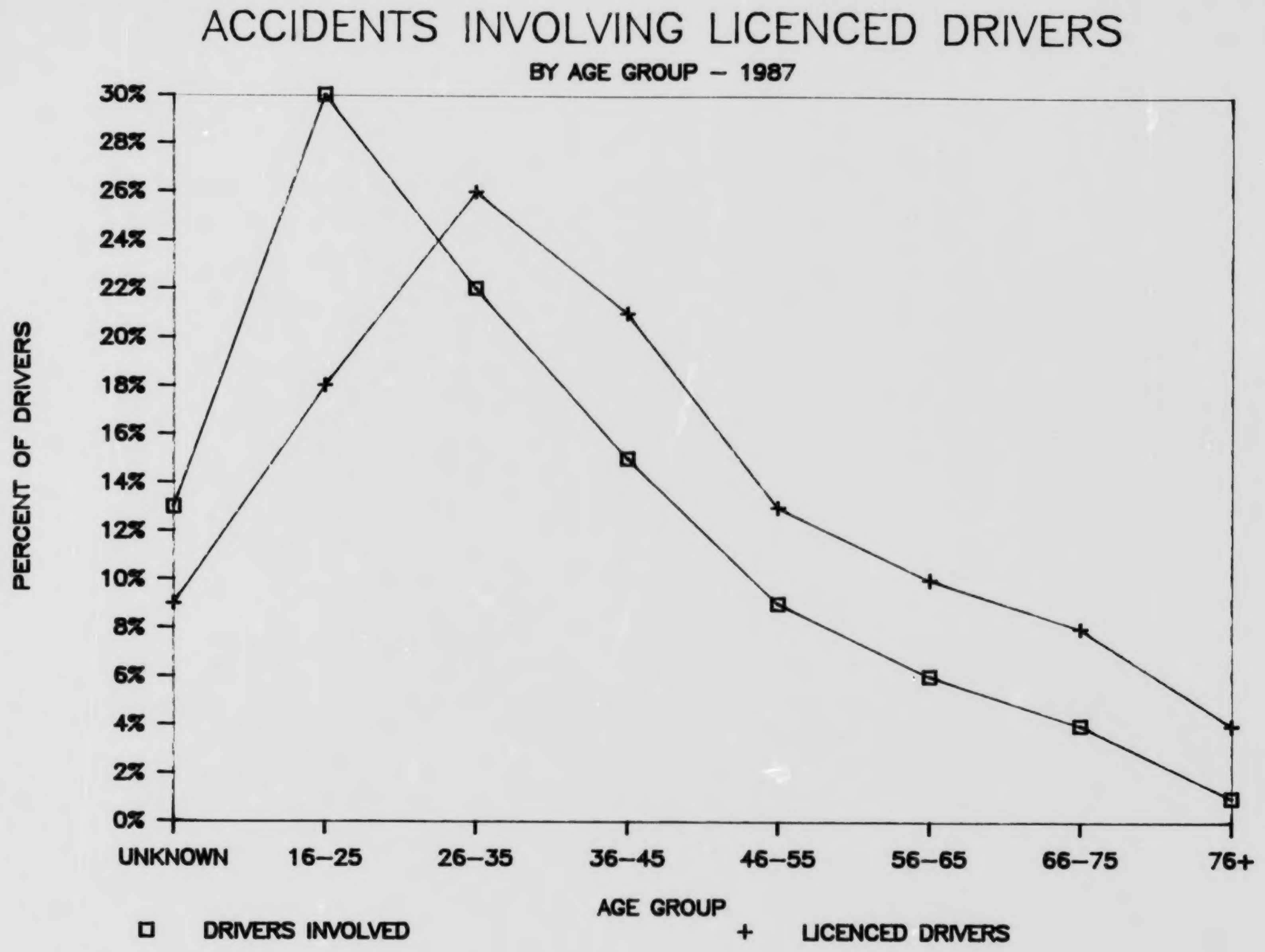

ACCIDENTS INVOLVING LICENCED DRIVERS
BY AGE GROUP – 1987
PERCENT OF DRIVERS
30%
28%
26%
24%
22%
20%
18%
16%
14%
12%
10%
8%
6%
4%
2%
0%
UNKNOWN
16–25
26–35
36–45
46–55
56–65
66–75
76+
AGE GROUP
DRIVERS INVOLVED
LICENCED DRIVERS

fig. 23

DRIVER AGE BY ACCIDENT HOUR IN 1987 ACCIDENTS

ACCIDENT HOUR	DRIVER AGE								
	UNDER 16	16	17	18	19	20	21-25	26-30	31-40
Mid. - 1 am	9	111	168	187	203	170	645	429	474
1 am - 2 am	7	62	164	192	233	186	689	452	489
2 am - 3 am	9	49	88	175	226	217	838	425	424
3 am - 4 am	4	28	69	94	132	122	416	226	219
4 am - 5 am	1	13	41	54	74	67	253	146	141
5 am - 6 am	2	16	40	34	53	59	201	140	159
6 am - 7 am	2	17	36	57	64	64	307	272	421
7 am - 8 am	2	51	91	123	140	163	846	782	1,243
8 am - 9 am	7	115	217	224	225	228	1,112	1,062	1,842
9 am - 10 am	5	73	108	156	158	171	906	787	1,487
10 am- 11 am	6	81	132	175	211	201	960	990	1,627
11 am- Noon	14	132	221	238	254	205	1,222	1,212	1,919
Noon - 1 pm	15	226	341	338	296	304	1,480	1,291	2,148
1 pm - 2 pm	14	188	280	351	338	354	1,534	1,285	2,117
2 pm - 3 pm	14	187	315	332	394	341	1,634	1,357	2,269
3 pm - 4 pm	12	422	537	504	492	430	1,994	1,665	2,792
4 pm - 5 pm	19	284	449	531	490	471	2,214	1,866	3,086
5 pm - 6 pm	19	247	417	457	454	434	2,190	1,831	2,920
6 pm - 7 pm	10	229	343	364	373	335	1,665	1,317	1,992
7 pm - 8 pm	16	247	376	342	329	310	1,324	1,083	1,603
8 pm - 9 pm	14	219	301	290	284	235	1,052	735	1,091
9 pm - 10 pm	10	254	311	275	263	232	944	721	1,004
10 pm- 11 pm	14	190	255	258	243	204	834	632	865
11 pm - Mid.	11	193	234	259	215	211	852	592	721
UNKNOWN	5	61	105	128	135	126	690	525	809
TOTAL	241	3,695	5,639	6,138	6,280	5,840	26,802	21,823	33,859

cont'd...

DRIVER AGE BY ACCIDENT HOUR IN 1987 ACCIDENTS

cont'd...

ACCIDENT HOUR	DRIVER AGE						TOTAL DRIVERS	PERCENT OF TOTAL
	41-50	51-60	61-70	71-80	81+	UNKNOWN		
Mid.- 1 am	226	115	52	14	2	546	3,351	1.84
1 am- 2 am	186	108	41	7	0	525	3,341	1.83
2 am- 3 am	160	63	26	4	0	514	3,218	1.77
3 am- 4 am	70	27	12	3	2	313	1,737	0.95
4 am- 5 am	54	29	10	4	1	135	1,023	0.56
5 am- 6 am	105	67	19	5	0	135	1,035	0.57
6 am- 7 am	292	178	62	18	3	194	1,987	1.09
7 am- 8 am	776	465	176	57	9	516	5,441	2.99
8 am- 9 am	1,058	644	290	93	18	794	7,930	4.36
9 am- 10 am	888	618	434	230	33	725	6,779	3.72
10 am- 11 am	1,011	808	682	387	69	877	8,215	4.51
11 am- Noon	1,231	988	848	464	89	1,067	10,100	5.55
Noon- 1 pm	1,245	938	733	392	73	1,136	10,956	6.02
1 pm- 2 pm	1,308	965	778	430	98	1,206	11,247	6.18
2 pm- 3 pm	1,349	1,018	867	491	97	1,298	11,963	6.57
3 pm- 4 pm	1,761	1,317	923	517	100	1,444	14,907	8.19
4 pm- 5 pm	1,838	1,308	812	453	91	1,538	15,447	8.49
5 pm- 6 pm	1,697	1,040	652	304	44	1,401	14,106	7.75
6 pm- 7 pm	1,135	703	374	170	28	1,003	10,040	5.52
7 pm- 8 pm	894	543	293	131	26	880	8,397	4.61
8 pm- 9 pm	592	379	179	85	16	746	6,219	3.42
9 pm- 10 pm	537	315	167	66	19	750	5,868	3.22
10 pm- 11 pm	451	274	147	56	6	680	5,110	2.81
11 pm- Mid.	350	197	97	25	2	678	4,637	2.55
UNKNOWN	428	303	195	99	23	5,350	8,982	4.93
TOTAL	19,642	13,410	8,869	4,505	849	24,451	182,036	100.00

DRIVER AGE BY DAY OF THE WEEK AND ACCIDENT HOUR IN 1987 ACCIDENTS

- MONDAY -

ACCIDENT HOUR	DRIVER AGE								
	UNDER 16	16	17	18	19	20	21-25	26-30	31-40
Mid. - 1 am	0	10	15	8	21	23	60	44	48
1 am - 2 am	1	5	14	14	13	13	33	23	28
2 am - 3 am	0	4	5	8	14	8	38	13	23
3 am - 4 am	1	0	1	6	3	8	21	12	13
4 am - 5 am	0	1	3	3	4	4	19	14	15
5 am - 6 am	1	2	4	1	4	4	21	14	18
6 am - 7 am	0	1	2	11	4	7	44	49	75
7 am - 8 am	0	10	11	25	29	28	131	139	190
8 am - 9 am	2	20	43	40	36	47	188	176	304
9 am - 10 am	0	8	16	26	21	27	148	125	226
10 am- 11 am	0	8	16	25	27	26	134	151	238
11 am- Noon	2	16	22	39	42	26	155	197	284
Noon - 1 pm	0	30	56	43	34	37	221	176	288
1 pm - 2 pm	3	22	41	46	47	38	191	167	300
2 pm - 3 pm	1	22	42	47	66	54	243	194	307
3 pm - 4 pm	2	67	82	87	56	49	267	228	382
4 pm - 5 pm	2	42	66	76	59	60	316	270	454
5 pm - 6 pm	0	39	54	55	74	65	312	262	397
6 pm - 7 pm	1	18	39	55	47	41	210	178	234
7 pm - 8 pm	0	38	29	50	43	30	141	121	201
8 pm - 9 pm	0	29	31	34	32	26	130	80	129
9 pm - 10 pm	2	27	35	34	30	31	117	82	116
10 pm- 11 pm	0	18	24	32	18	27	89	83	86
11 pm - Mid.	2	14	16	24	17	19	102	53	67
UNKNOWN	1	9	11	22	14	15	89	79	137
TOTAL	21	460	678	811	755	713	3,420	2,930	4,560

cont'd...

DRIVER AGE BY DAY OF THE WEEK AND ACCIDENT HOUR IN 1987 ACCIDENTS

- MONDAY -

cont'd...

ACCIDENT HOUR	DRIVER AGE						TOTAL DRIVERS	PERCENT OF TOTAL
	41-50	51-60	61-70	71-80	81+	UNKNOWN		
Mid.- 1 am	21	12	4	1	0	39	306	1.27
1 am- 2 am	7	9	2	0	0	24	186	0.77
2 am- 3 am	9	3	2	1	0	20	148	0.61
3 am- 4 am	9	2	1	0	0	13	90	0.37
4 am- 5 am	3	7	2	0	0	7	82	0.34
5 am- 6 am	10	8	2	1	0	13	103	0.43
6 am- 7 am	45	23	16	2	1	33	330	1.36
7 am- 8 am	123	103	35	6	3	82	915	3.78
8 am- 9 am	193	115	37	18	2	119	1,340	5.54
9 am- 10 am	137	99	65	28	3	110	1,039	4.30
10 am- 11 am	155	107	85	66	12	126	1,176	4.86
11 am- Noon	168	146	124	67	15	136	1,439	5.95
Noon- 1 pm	180	136	94	43	6	148	1,492	6.17
1 pm- 2 pm	179	122	96	57	14	159	1,482	6.13
2 pm- 3 pm	180	159	153	69	13	185	1,735	7.17
3 pm- 4 pm	251	199	123	64	21	205	2,083	8.61
4 pm- 5 pm	286	210	135	79	8	244	2,307	9.54
5 pm- 6 pm	278	156	83	44	6	181	2,006	8.29
6 pm- 7 pm	146	87	40	19	3	112	1,230	5.08
7 pm- 8 pm	107	67	37	22	0	109	995	4.11
8 pm- 9 pm	74	48	19	16	2	92	742	3.07
9 pm- 10 pm	57	55	14	10	0	100	710	2.94
10 pm- 11 pm	43	35	19	6	1	62	543	2.24
11 pm- Mid.	37	27	9	6	0	64	457	1.89
UNKNOWN	62	54	24	13	3	721	1,254	5.18
TOTAL	2,777	1,989	1,221	638	113	3,104	24,190	100.00

DRIVER AGE BY DAY OF THE WEEK AND ACCIDENT HOUR IN 1987 ACCIDENTS

- TUESDAY -

ACCIDENT HOUR	DRIVER AGE								
	UNDER 16	16	17	18	19	20	21-25	26-30	31-40
Mid. - 1 am	0	9	5	10	17	17	62	40	43
1 am - 2 am	2	5	2	13	19	9	55	36	35
2 am - 3 am	0	1	2	10	17	9	64	31	33
3 am - 4 am	0	0	1	10	5	2	22	15	17
4 am - 5 am	0	0	3	2	5	4	8	5	16
5 am - 6 am	0	1	3	2	3	6	20	14	27
6 am - 7 am	0	2	3	5	7	7	34	42	64
7 am - 8 am	0	8	18	13	18	32	138	157	228
8 am - 9 am	3	25	39	28	38	44	215	185	326
9 am - 10 am	1	10	14	21	22	27	135	134	233
10 am- 11 am	1	9	15	25	37	31	146	159	263
11 am- Noon	4	14	28	33	32	32	172	192	249
Noon - 1 pm	3	33	53	64	40	39	208	168	305
1 pm - 2 pm	1	20	34	59	39	46	193	166	285
2 pm - 3 pm	2	18	40	40	47	38	234	188	300
3 pm - 4 pm	2	64	74	74	74	58	304	223	435
4 pm - 5 pm	1	37	62	87	79	73	302	280	470
5 pm - 6 pm	3	41	56	64	49	64	320	294	457
6 pm - 7 pm	0	28	42	51	58	53	237	185	288
7 pm - 8 pm	2	26	63	39	38	47	179	135	207
8 pm - 9 pm	1	30	36	41	43	23	116	81	124
9 pm - 10 pm	1	35	41	27	37	19	127	93	109
10 pm- 11 pm	2	15	27	30	25	20	104	86	116
11 pm - Mid.	2	17	19	13	18	27	84	64	93
UNKNOWN	0	8	17	13	19	18	88	65	108
TOTAL	31	456	697	774	786	745	3,567	3,038	4,831

cont'd...

DRIVER AGE BY DAY OF THE WEEK AND ACCIDENT HOUR IN 1987 ACCIDENTS

- TUESDAY -

cont'd...

ACCIDENT HOUR	DRIVER AGE						TOTAL DRIVERS	PERCENT OF TOTAL
	41-50	51-60	61-70	71-80	81+	UNKNOWN		
Mid.- 1 am	15	9	4	1	0	57	289	1.15
1 am- 2 am	14	10	1	1	0	34	236	0.94
2 am- 3 am	17	0	3	0	0	44	231	0.92
3 am- 4 am	6	0	2	0	0	29	109	0.43
4 am- 5 am	8	4	1	0	0	6	62	0.25
5 am- 6 am	30	15	7	1	0	15	144	0.57
6 am- 7 am	47	29	13	3	0	17	273	1.08
7 am- 8 am	144	78	31	13	2	81	961	3.81
8 am- 9 am	169	107	61	17	4	116	1,377	5.46
9 am- 10 am	143	83	71	45	6	115	1,060	4.20
10 am- 11 am	154	118	125	67	12	130	1,292	5.12
11 am- Noon	209	151	151	83	12	150	1,512	6.00
Noon- 1 pm	202	138	104	63	19	159	1,598	6.32
1 pm- 2 pm	181	148	122	69	11	169	1,543	6.12
2 pm- 3 pm	209	153	131	78	17	179	1,674	6.64
3 pm- 4 pm	233	199	158	89	10	193	2,190	8.68
4 pm- 5 pm	254	194	112	87	18	236	2,292	9.09
5 pm- 6 pm	258	137	102	38	9	212	2,104	8.34
6 pm- 7 pm	156	97	62	17	3	159	1,436	5.69
7 pm- 8 pm	113	65	34	22	3	127	1,100	4.36
8 pm- 9 pm	72	52	18	7	2	88	734	2.91
9 pm- 10 pm	65	36	21	10	3	108	732	2.90
10 pm- 11 pm	57	28	13	7	1	77	608	2.41
11 pm- Mid.	36	16	7	2	1	82	481	1.91
UNKNOWN	67	43	32	14	5	688	1,185	4.70
TOTAL	2,859	1,910	1,386	734	138	3,271	25,223	100.00

DRIVER AGE BY DAY OF THE WEEK AND ACCIDENT HOUR IN 1987 ACCIDENTS

- WEDNESDAY -

ACCIDENT HOUR	DRIVER AGE								
	UNDER 16	16	17	18	19	20	21-25	26-30	31-40
Mid. - 1 am	1	4	2	14	13	15	57	40	55
1 am - 2 am	0	4	9	15	15	13	67	33	48
2 am - 3 am	1	3	5	7	14	15	74	40	34
3 am - 4 am	0	3	4	3	12	12	35	20	18
4 am - 5 am	0	0	3	5	6	2	19	9	17
5 am - 6 am	0	2	5	4	2	6	12	12	21
6 am - 7 am	0	1	2	6	5	7	40	31	53
7 am - 8 am	0	7	9	22	20	25	154	146	239
8 am - 9 am	1	14	40	49	40	41	170	178	360
9 am - 10 am	1	8	13	20	25	24	144	110	202
10 am- 11 am	0	7	17	25	31	24	136	123	213
11 am- Noon	1	15	45	25	37	31	149	160	256
Noon - 1 pm	1	32	48	54	47	44	185	174	304
1 pm - 2 pm	1	23	38	43	53	50	210	195	279
2 pm - 3 pm	2	19	36	45	48	45	236	191	324
3 pm - 4 pm	1	72	78	84	89	56	258	249	398
4 pm - 5 pm	2	38	66	63	76	61	325	283	448
5 pm - 6 pm	3	29	71	54	68	55	290	272	452
6 pm - 7 pm	0	29	45	50	46	46	227	177	264
7 pm - 8 pm	2	33	44	39	46	46	176	143	222
8 pm - 9 pm	0	21	40	36	38	17	136	83	140
9 pm - 10 pm	1	34	32	31	31	28	109	93	156
10 pm- 11 pm	4	14	26	34	39	35	96	74	122
11 pm - Mid.	0	11	13	26	27	18	97	76	82
UNKNOWN	0	4	16	13	11	10	84	56	104
TOTAL	22	427	707	767	839	726	3,486	2,968	4,811

cont'd...

DRIVER AGE BY DAY OF THE WEEK AND ACCIDENT HOUR IN 1987 ACCIDENTS

- WEDNESDAY -

cont'd...

ACCIDENT HOUR	DRIVER AGE						TOTAL DRIVERS	PERCENT OF TOTAL
	41-50	51-60	61-70	71-80	81+	UNKNOWN		
Mid.- 1 am	13	9	4	2	0	55	284	1.15
1 am- 2 am	20	14	7	3	0	49	297	1.20
2 am- 3 am	11	7	2	0	0	33	246	0.99
3 am- 4 am	10	5	3	0	0	25	150	0.60
4 am- 5 am	10	3	1	0	0	13	88	0.35
5 am- 6 am	14	15	2	0	0	14	109	0.44
6 am- 7 am	25	30	8	3	0	26	237	0.96
7 am- 8 am	152	73	30	16	0	100	993	4.01
8 am- 9 am	194	130	43	14	2	158	1,434	5.78
9 am- 10 am	134	93	71	25	4	93	967	3.90
10 am- 11 am	136	106	104	58	14	126	1,120	4.52
11 am- Noon	167	141	124	73	9	150	1,383	5.58
Noon- 1 pm	170	138	105	64	14	147	1,527	6.16
1 pm- 2 pm	168	132	125	69	19	163	1,568	6.32
2 pm- 3 pm	186	132	136	93	15	142	1,650	6.66
3 pm- 4 pm	265	196	137	77	18	185	2,163	8.72
4 pm- 5 pm	292	211	114	56	18	204	2,257	9.10
5 pm- 6 pm	235	168	84	45	5	194	2,025	8.17
6 pm- 7 pm	134	92	63	28	7	149	1,357	5.47
7 pm- 8 pm	121	79	43	16	5	106	1,121	4.52
8 pm- 9 pm	92	45	25	7	0	116	796	3.21
9 pm- 10 pm	75	31	20	5	2	85	733	2.96
10 pm- 11 pm	58	37	17	8	2	90	656	2.65
11 pm- Mid.	45	24	11	2	0	94	526	2.12
UNKNOWN	44	33	23	13	1	693	1,105	4.46
TOTAL	2,771	1,944	1,302	677	135	3,210	24,792	100.00

DRIVER AGE BY DAY OF THE WEEK AND ACCIDENT HOUR IN 1987 ACCIDENTS

- THURSDAY -

ACCIDENT HOUR	DRIVER AGE								
	UNDER 16	16	17	18	19	20	21-25	26-30	31-40
Mid. - 1 am	2	15	11	14	29	21	73	47	66
1 am - 2 am	0	2	12	18	21	22	65	63	59
2 am - 3 am	0	3	8	15	24	28	82	50	46
3 am - 4 am	0	4	10	6	17	8	45	28	21
4 am - 5 am	0	2	4	3	5	8	24	13	16
5 am - 6 am	0	2	5	0	9	3	27	21	21
6 am - 7 am	0	2	5	5	13	5	53	48	72
7 am - 8 am	1	7	18	20	30	20	157	131	237
8 am - 9 am	0	18	33	42	45	35	186	200	337
9 am - 10 am	0	10	18	26	19	29	124	116	249
10 am- 11 am	2	8	15	28	31	18	130	146	262
11 am- Noon	1	21	24	39	35	27	194	168	297
Noon - 1 pm	3	36	53	51	50	46	208	180	293
1 pm - 2 pm	0	18	35	37	41	52	222	172	287
2 pm - 3 pm	2	21	37	42	43	44	217	188	321
3 pm - 4 pm	1	66	80	72	67	80	289	249	432
4 pm - 5 pm	1	41	62	85	84	63	333	310	480
5 pm - 6 pm	5	27	46	70	73	60	293	255	442
6 pm - 7 pm	2	34	35	59	51	54	240	191	322
7 pm - 8 pm	1	37	41	50	37	44	199	169	243
8 pm - 9 pm	1	27	31	33	28	39	111	104	154
9 pm - 10 pm	0	35	42	43	32	27	115	82	154
10 pm- 11 pm	0	23	27	35	29	26	96	83	118
11 pm - Mid.	0	16	25	32	29	21	120	85	111
UNKNOWN	1	6	8	16	21	15	89	69	106
TOTAL	23	481	685	841	863	795	3,692	3,168	5,146

cont'd...

DRIVER AGE BY DAY OF THE WEEK AND ACCIDENT HOUR IN 1987 ACCIDENTS

- THURSDAY -

cont'd...

ACCIDENT HOUR	DRIVER AGE						TOTAL DRIVERS	PERCENT OF TOTAL
	41-50	51-60	61-70	71-80	81+	UNKNOWN		
Mid.- 1 am	33	18	10	2	0	67	408	1.54
1 am- 2 am	21	8	3	0	0	59	353	1.33
2 am- 3 am	21	8	4	1	0	46	336	1.27
3 am- 4 am	10	7	3	0	1	25	185	0.70
4 am- 5 am	10	2	2	1	0	16	106	0.40
5 am- 6 am	16	8	0	1	0	18	131	0.49
6 am- 7 am	60	34	6	2	0	35	340	1.28
7 am- 8 am	150	83	36	4	2	106	1,002	3.77
8 am- 9 am	212	125	51	18	1	162	1,465	5.52
9 am- 10 am	151	100	71	47	7	120	1,087	4.09
10 am- 11 am	166	130	113	63	10	106	1,228	4.62
11 am- Noon	196	147	131	65	17	147	1,509	5.68
Noon- 1 pm	175	134	112	62	9	159	1,571	5.92
1 pm- 2 pm	175	131	108	75	14	162	1,529	5.76
2 pm- 3 pm	170	140	120	75	16	202	1,638	6.17
3 pm- 4 pm	260	206	127	81	12	238	2,260	8.51
4 pm- 5 pm	285	200	128	77	11	216	2,376	8.95
5 pm- 6 pm	253	151	100	55	5	206	2,041	7.69
6 pm- 7 pm	191	123	53	26	5	166	1,552	5.84
7 pm- 8 pm	139	79	56	21	4	137	1,258	4.74
8 pm- 9 pm	82	58	33	12	3	108	824	3.10
9 pm- 10 pm	68	43	31	11	4	107	794	2.99
10 pm- 11 pm	62	39	15	10	0	84	647	2.44
11 pm- Mid.	56	33	17	5	0	84	634	2.39
UNKNOWN	64	47	30	16	6	783	1,277	4.81
TOTAL	3,026	2,054	1,360	730	127	3,559	26,551	100.00

DRIVER AGE BY DAY OF THE WEEK AND ACCIDENT HOUR IN 1987 ACCIDENTS

- FRIDAY -

ACCIDENT HOUR	DRIVER AGE								
	UNDER 16	16	17	18	19	20	21-25	26-30	31-40
Mid. - 1 am	0	9	23	23	27	21	94	61	66
1 am - 2 am	0	4	14	17	29	25	88	43	60
2 am - 3 am	1	5	6	18	28	36	86	50	58
3 am - 4 am	0	1	8	7	12	20	40	31	26
4 am - 5 am	1	3	2	10	6	7	25	26	18
5 am - 6 am	0	0	4	3	6	2	25	21	25
6 am - 7 am	0	2	6	6	10	12	53	47	92
7 am - 8 am	1	12	19	20	19	35	148	135	231
8 am - 9 am	1	23	35	38	38	32	204	215	340
9 am - 10 am	1	14	22	28	26	31	150	140	268
10 am- 11 am	0	17	26	27	27	37	161	162	248
11 am- Noon	1	22	37	48	41	42	203	178	323
Noon - 1 pm	3	36	45	50	47	53	242	211	360
1 pm - 2 pm	2	30	48	68	61	61	242	217	323
2 pm - 3 pm	3	29	49	57	74	62	255	201	378
3 pm - 4 pm	3	85	109	86	93	83	360	320	528
4 pm - 5 pm	4	46	82	103	81	104	438	320	611
5 pm - 6 pm	0	41	75	87	78	93	425	367	554
6 pm - 7 pm	3	58	68	57	67	48	322	281	409
7 pm - 8 pm	4	45	92	72	64	65	278	238	356
8 pm - 9 pm	7	50	69	59	63	59	238	159	244
9 pm - 10 pm	3	55	84	66	65	59	227	165	232
10 pm- 11 pm	4	59	85	62	64	42	189	119	173
11 pm - Mid.	3	65	90	89	56	50	190	140	161
UNKNOWN	0	11	31	25	21	18	104	86	132
TOTAL	45	722	1,129	1,126	1,103	1,097	4,787	3,933	6,216

cont'd...

DRIVER AGE BY DAY OF THE WEEK AND ACCIDENT HOUR IN 1987 ACCIDENTS

- FRIDAY -

cont'd...

ACCIDENT HOUR	DRIVER AGE						TOTAL DRIVERS	PERCENT OF TOTAL
	41-50	51-60	61-70	71-80	81+	UNKNOWN		
Mid.- 1 am	30	18	12	1	1	83	469	1.43
1 am- 2 am	20	15	3	1	0	71	390	1.19
2 am- 3 am	21	13	4	0	0	67	393	1.20
3 am- 4 am	10	3	2	2	0	34	196	0.60
4 am- 5 am	10	5	1	1	1	16	132	0.40
5 am- 6 am	16	9	3	1	0	8	123	0.37
6 am- 7 am	54	37	10	4	1	27	361	1.10
7 am- 8 am	134	74	25	6	1	77	937	2.86
8 am- 9 am	185	111	55	18	4	117	1,416	4.31
9 am- 10 am	150	120	82	50	6	126	1,214	3.70
10 am- 11 am	162	140	99	54	9	143	1,312	4.00
11 am- Noon	193	168	137	75	14	159	1,641	5.00
Noon- 1 pm	205	157	129	66	11	186	1,801	5.49
1 pm- 2 pm	207	162	120	56	21	191	1,809	5.51
2 pm- 3 pm	226	179	156	84	12	234	1,999	6.10
3 pm- 4 pm	342	241	180	99	18	257	2,804	8.55
4 pm- 5 pm	344	243	159	71	15	268	2,889	8.80
5 pm- 6 pm	316	212	131	49	8	263	2,699	8.22
6 pm- 7 pm	224	141	66	32	2	168	1,946	5.93
7 pm- 8 pm	196	121	57	15	5	172	1,780	5.42
8 pm- 9 pm	123	68	38	16	3	143	1,339	4.08
9 pm- 10 pm	121	70	33	13	4	156	1,353	4.12
10 pm- 11 pm	99	62	38	10	1	151	1,158	3.53
11 pm- Mid.	82	40	20	3	0	163	1,152	3.51
UNKNOWN	78	45	39	20	3	890	1,503	4.58
TOTAL	3,548	2,454	1,599	747	140	4,170	32,816	100.00

DRIVER AGE BY DAY OF THE WEEK AND ACCIDENT HOUR IN 1987 ACCIDENTS

- SATURDAY -

ACCIDENT HOUR	DRIVER AGE								
	UNDER 16	16	17	18	19	20	21-25	26-30	31-40
Mid. - 1 am	3	41	66	69	50	44	164	102	119
1 am - 2 am	2	18	55	73	74	47	201	120	135
2 am - 3 am	6	17	36	65	76	62	246	123	127
3 am - 4 am	1	9	24	37	40	43	115	65	55
4 am - 5 am	0	6	11	16	22	19	78	34	32
5 am - 6 am	1	5	11	14	21	24	55	33	25
6 am - 7 am	1	3	6	16	10	14	42	22	37
7 am - 8 am	0	3	11	16	13	12	62	41	69
8 am - 9 am	0	9	16	20	15	15	89	56	100
9 am - 10 am	2	14	13	20	27	22	117	104	199
10 am- 11 am	2	20	35	28	39	49	160	141	257
11 am- Noon	3	32	33	38	39	32	223	193	311
Noon - 1 pm	1	35	60	36	47	41	242	217	349
1 pm - 2 pm	4	43	49	51	55	59	262	222	366
2 pm - 3 pm	1	50	65	63	66	56	268	240	398
3 pm - 4 pm	0	42	62	54	67	56	300	231	357
4 pm - 5 pm	8	49	60	65	68	64	289	256	369
5 pm - 6 pm	1	41	56	67	61	58	314	220	367
6 pm - 7 pm	4	38	76	42	62	56	233	169	270
7 pm - 8 pm	4	47	66	60	58	40	210	167	193
8 pm - 9 pm	2	39	50	54	38	47	178	123	161
9 pm - 10 pm	2	38	57	45	44	36	144	121	137
10 pm- 11 pm	3	46	47	43	39	34	152	104	151
11 pm - Mid.	2	55	53	54	49	57	187	113	141
UNKNOWN	2	15	15	27	34	28	128	89	136
TOTAL	55	715	1,033	1,073	1,114	1,015	4,459	3,306	4,861

cont'd...

DRIVER AGE BY DAY OF THE WEEK AND ACCIDENT HOUR IN 1987 ACCIDENTS

- SATURDAY -

cont'd...

ACCIDENT HOUR	DRIVER AGE						TOTAL DRIVERS	PERCENT OF TOTAL
	41-50	51-60	61-70	71-80	81+	UNKNOWN		
Mid.- 1 am	59	18	6	5	0	149	895	3.16
1 am- 2 am	50	31	13	1	0	161	981	3.46
2 am- 3 am	49	13	5	1	0	171	997	3.51
3 am- 4 am	16	7	1	1	0	89	503	1.77
4 am- 5 am	10	5	2	1	0	38	274	0.97
5 am- 6 am	14	8	0	1	0	37	249	0.88
6 am- 7 am	19	11	4	2	1	25	213	0.75
7 am- 8 am	45	38	12	8	1	48	379	1.34
8 am- 9 am	70	38	27	5	3	79	542	1.91
9 am- 10 am	116	83	45	24	3	102	891	3.14
10 am- 11 am	155	129	102	41	9	146	1,323	4.66
11 am- Noon	189	141	128	61	14	217	1,654	5.83
Noon- 1 pm	172	145	118	56	8	197	1,724	6.08
1 pm- 2 pm	231	155	116	60	15	203	1,891	6.67
2 pm- 3 pm	206	160	115	62	16	224	1,990	7.01
3 pm- 4 pm	235	164	120	68	12	203	1,971	6.95
4 pm- 5 pm	224	163	96	52	10	201	1,974	6.96
5 pm- 6 pm	200	127	85	38	6	215	1,856	6.54
6 pm- 7 pm	186	98	44	27	2	156	1,463	5.16
7 pm- 8 pm	115	71	38	25	7	138	1,239	4.37
8 pm- 9 pm	87	62	22	11	5	116	995	3.51
9 pm- 10 pm	82	51	20	13	2	117	909	3.20
10 pm- 11 pm	73	44	22	9	1	138	906	3.19
11 pm- Mid.	67	31	24	6	1	152	1,002	3.53
UNKNOWN	63	52	29	14	1	913	1,547	5.45
TOTAL	2,733	1,866	1,194	592	117	4,235	28,368	100.00

DRIVER AGE BY DAY OF THE WEEK AND ACCIDENT HOUR IN 1987 ACCIDENTS

- SUNDAY -

ACCIDENT HOUR	DRIVER AGE								
	UNDER 16	16	17	18	19	20	21-25	26-30	31-40
Mid. - 1 am	3	23	46	49	46	29	135	95	77
1 am - 2 am	2	24	58	42	62	57	180	134	124
2 am - 3 am	1	16	26	52	53	59	248	118	103
3 am - 4 am	2	11	21	25	43	29	138	55	69
4 am - 5 am	0	1	15	15	26	23	80	45	27
5 am - 6 am	0	4	8	10	8	14	41	25	22
6 am - 7 am	1	6	12	8	15	12	41	33	28
7 am - 8 am	0	4	5	7	11	11	56	33	49
8 am - 9 am	0	6	11	7	13	14	60	52	75
9 am - 10 am	0	9	12	15	18	11	88	58	110
10 am- 11 am	1	12	8	17	19	16	93	108	146
11 am- Noon	2	12	32	16	28	15	126	124	196
Noon - 1 pm	4	24	26	40	31	44	174	165	249
1 pm - 2 pm	3	32	35	47	42	48	214	146	277
2 pm - 3 pm	3	28	46	38	50	42	181	155	241
3 pm - 4 pm	3	26	52	47	46	48	216	165	260
4 pm - 5 pm	1	31	51	52	43	46	211	147	254
5 pm - 6 pm	7	29	59	60	51	39	236	161	251
6 pm - 7 pm	0	24	38	50	42	37	196	136	205
7 pm - 8 pm	2	21	41	32	43	38	141	110	181
8 pm - 9 pm	3	23	44	33	43	24	143	105	139
9 pm - 10 pm	1	30	20	29	24	32	105	85	100
10 pm- 11 pm	1	15	19	22	29	20	108	83	99
11 pm - Mid.	2	15	18	21	19	19	72	61	66
UNKNOWN	1	8	7	12	15	22	108	81	86
TOTAL	43	434	710	746	820	749	3,391	2,480	3,434

cont'd...

DRIVER AGE BY DAY OF THE WEEK AND ACCIDENT HOUR IN 1987 ACCIDENTS

- SUNDAY -

cont'd...

ACCIDENT HOUR	DRIVER AGE						TOTAL DRIVERS	PERCENT OF TOTAL
	41-50	51-60	61-70	71-80	81+	UNKNOWN		
Mid.- 1 am	55	31	12	2	1	96	700	3.48
1 am- 2 am	54	21	12	1	0	127	898	4.47
2 am- 3 am	32	19	6	1	0	133	867	4.31
3 am- 4 am	9	3	0	0	1	98	504	2.51
4 am- 5 am	3	3	1	1	0	39	279	1.39
5 am- 6 am	5	4	5	0	0	30	176	0.88
6 am- 7 am	25	14	5	2	0	31	233	1.16
7 am- 8 am	28	16	7	4	0	23	254	1.26
8 am- 9 am	35	18	16	3	2	44	356	1.77
9 am- 10 am	57	40	29	11	4	59	521	2.59
10 am- 11 am	83	68	54	38	1	100	764	3.80
11 am- Noon	109	94	53	40	7	108	962	4.79
Noon- 1 pm	141	90	71	38	6	140	1,243	6.18
1 pm- 2 pm	167	115	91	44	4	160	1,425	7.09
2 pm- 3 pm	172	95	56	30	7	133	1,277	6.35
3 pm- 4 pm	175	112	78	39	6	163	1,436	7.15
4 pm- 5 pm	153	87	68	31	8	169	1,352	6.73
5 pm- 6 pm	157	89	67	35	4	130	1,375	6.84
6 pm- 7 pm	98	65	46	21	5	93	1,056	5.25
7 pm- 8 pm	103	61	28	10	2	91	904	4.50
8 pm- 9 pm	62	46	24	16	1	83	789	3.93
9 pm- 10 pm	69	29	28	4	4	77	637	3.17
10 pm- 11 pm	59	29	23	6	0	79	592	2.95
11 pm- Mid.	27	16	9	1	0	39	385	1.92
UNKNOWN	50	28	18	9	4	662	1,111	5.53
TOTAL	1,928	1,193	807	387	67	2,907	20,096	100.00

DRIVERS INVOLVED IN 1987 ACCIDENTS BY ROAD USER CLASS AND AGE

DRIVER AGE	VEHICLE DRIVERS	CYCLE DRIVERS	OTHER DRIVERS	TOTAL DRIVERS
1 - 5	12	37	3	52
6 - 10	11	263	10	284
11 - 15	218	539	9	766
16	3,695	115	2	3,812
17	5,639	92	0	5,731
18	6,138	96	0	6,234
19	6,280	110	1	6,391
20	5,840	95	0	5,935
21 - 25	26,802	394	4	27,200
26 - 30	21,823	236	9	22,068
31 - 35	18,153	140	6	18,299
36 - 40	15,706	61	7	15,774
41 - 45	11,215	40	4	11,259
46 - 50	8,427	28	0	8,455
51 - 55	7,251	12	1	7,264
56 - 60	6,159	18	13	6,190
61 - 65	5,005	7	5	5,017
66 - 70	3,864	11	0	3,875
71 - 75	2,899	8	0	2,907
76 - 80	1,606	2	0	1,608
81 - 85	678	2	0	680
86 - 95	159	1	0	160
OVER 95	5	0	0	5
UNKNOWN	24,451	284	81	24,816
TOTAL	182,036	2,591	155	184,782

SECTION 10

VEHICLES

VEHICLES INVOLVED IN 1987 ACCIDENTS

There were 209,531 vehicles involved in accidents in 1987, an increase of less than 1% from 1986. Vehicles licenced throughout the year increased by 3% from 1986.

The number of dangerous goods carriers involved in accidents increased by 19% from 1986. The proportions of specific dangerous goods substances involved also changed: in 1986 flammable liquids carriers accounted for 76% of the total dangerous goods carriers involved, while in 1987 this number dropped to 34%. Explosives carriers involved increased from 6% to 26% of the total dangerous goods carriers involved, and gases carriers involved increased from 6% to 16%. Corrosive substances carriers involved accounted for 11% of the total dangerous goods carriers involved in accidents, up from 6% in 1986. There were no radioactive materials carrier accidents in 1987. The proportion of poisonous/infectious substances carriers did not change over the two year period.

NUMBER OF VEHICLES INVOLVED IN ACCIDENTS DURING 1987 BY MONTH

MONTH	ACCIDENT TYPE			TOTAL VEHICLES
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL	
JANUARY	13,555	4,090	63	17,708
FEBRUARY	11,313	3,472	46	14,831
MARCH	12,290	3,998	44	16,332
APRIL	11,621	4,121	46	15,788
MAY	12,077	4,654	79	16,810
JUNE	11,984	4,468	62	16,514
JULY	13,098	4,692	81	17,871
AUGUST	12,321	4,827	103	17,251
SEPTEMBER	12,185	4,376	78	16,639
OCTOBER	13,872	4,780	73	18,725
NOVEMBER	14,859	4,462	78	19,399
DECEMBER	16,967	4,633	63	21,663
TOTAL	156,142	52,573	816	209,531

NOTE: This report includes vehicles, bicycles and miscellaneous unclassified entities.

NUMBER OF VEHICLES INVOLVED IN ACCIDENTS DURING 1987 BY VEHICLE TYPE

VEHICLE TYPE	ACCIDENT TYPE			TOTAL VEHICLES	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
PASSENGER CAR	108,433	37,423	448	146,304	69.83
SINGLE UNIT TRUCK, LIGHT	25,781	7,880	158	33,819	16.14
MOTORCYCLE	670	2,000	69	2,739	1.31
BICYCLE	358	2,228	21	2,607	1.24
*SINGLE UNIT TRUCK, HEAVY	1,931	553	16	2,500	1.19
TRUCK AND CAMPER	1,302	476	7	1,785	0.85
*TRACTOR TRAILER	1,167	336	33	1,536	0.73
MOTOR HOME	635	194	8	837	0.40
PUBLIC BUS	401	197	1	599	0.29
*HEAVY TRUCK/TRAILER	439	114	8	561	0.27
LIGHT TRUCK/TRAILER	449	85	1	535	0.26
CAR & TRAILER	413	101	2	516	0.25
*LOGGING TRUCK & POLE TRAILER	338	122	10	470	0.22
ATV-FOUR WHEEL DRIVE	325	116	1	442	0.21
*TRACTOR TRAILER & PUP	232	116	15	363	0.17
TRUCK CAMPER & TRAILER	271	71	2	344	0.16
SCHOOL BUS	112	34	1	147	0.07
GENERAL CONSTRUCTION	92	25	0	117	0.06
MOTOR HOME & TRAILER	61	17	1	79	0.04
TOW TRUCK	66	13	0	79	0.04
TRAILER ONLY	66	13	0	79	0.04
MOPED	12	37	0	49	0.02
FARM VEHICLE	28	19	1	48	0.02
ROAD CONSTRUCTION	28	13	0	41	0.02
ATV-ALL-TERRAIN CYCLE	2	12	1	15	0.01
ATV-SNOW MOBILE	4	5	3	12	0.01
MOBILE CRANE	7	2	0	9	0.00
ATV-TRAIL BIKE	0	8	0	8	0.00
MOBILE HOME	3	0	0	3	0.00
ATV-DUNE BUGGY	1	0	0	1	0.00
ATV-HOVERCRAFT	1	0	0	1	0.00
OTHER	201	81	5	287	0.14
UNKNOWN	12,313	282	4	12,599	6.01
TOTAL	156,142	52,573	816	209,531	100.00

*These vehicles are defined as weighing 10,900 kg or over.

NUMBER OF VEHICLES INVOLVED IN ACCIDENTS DURING 1987 BY VEHICLE USE

VEHICLE USE	ACCIDENT TYPE			TOTAL VEHICLES	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
PERSONAL	87,294	42,173	648	130,115	62.10
NOT IN USE	23,402	1,337	10	24,749	11.81
BUSINESS/COMMERCIAL	11,012	4,196	117	15,325	7.31
TAXI	499	289	5	793	0.38
RECREATIONAL	376	231	13	620	0.30
EMERGENCY	263	134	3	400	0.19
GOVERNMENT	268	94	2	364	0.17
STOLEN	185	32	1	218	0.11
FARM USE	144	50	3	197	0.09
MILITARY	26	15	0	41	0.02
TOWING/TOWED	34	4	0	38	0.02
DRIVER TRAINING SCHOOL	15	5	0	20	0.01
FLAMMABLE LIQUIDS	6	1	0	7	0.00
EXPLOSIVES	5	0	0	5	0.00
GASES	2	1	0	3	0.00
CORROSIVE SUBSTANCES	0	2	0	2	0.00
FLAMMABLE SOLIDS	1	0	0	1	0.00
POISONOUS/INFECTIOUS SUBSTANCES	1	0	0	1	0.00
OTHER	1,318	258	5	1,581	0.76
UNKNOWN	31,291	3,751	9	35,051	16.73
TOTAL	156,142	52,573	816	209,531	100.00

NOTE: This report includes vehicles, bicycles and miscellaneous unclassified entities.

NUMBER OF VEHICLES INVOLVED IN ACCIDENTS DURING 1987 BY DANGEROUS GOODS CARRIED

DANGEROUS GOODS CARRIED	ACCIDENT TYPE			TOTAL VEHICLES	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
FLAMMABLE LIQUIDS	6	1	0	7	36.84
EXPLOSIVES	5	0	0	5	26.32
GASES	2	1	0	3	15.79
CORROSIVE SUBSTANCES	0	2	0	2	10.53
FLAMMABLE SOLIDS	1	0	0	1	5.26
POISONOUS/INFECTIOUS SUBSTANCES	1	0	0	1	5.26
TOTAL	15	4	0	19	100.00

SECTION 11

ALCOHOL RELATED ACCIDENTS

1987 ALCOHOL RELATED ACCIDENTS

"Alcohol related accidents" as presented in these reports are those accidents where alcohol involvement was judged to be one of the major contributing factors to the accident. This is a judgement made by an attending police officer in most cases and does not rely upon breathalyzer tests, toxicology reports or other formal measures of alcohol presence. It also is not an indication of charges laid in connection to alcohol involvement.

While there was a 2% decrease in alcohol related accidents in 1987, the proportion of fatalities occurring in these accidents increased by 2%. Thirty-seven percent of the 622 fatalities recorded occurred in alcohol related accidents. A total of 5,782 persons were injured and 231 persons killed in 8,309 alcohol related accidents.

Of the drivers involved in these accidents, the highest proportion of drivers with alcohol factors was found in the 21-25 year old age group - 22%. The second highest proportion, 20%, was found in the 26-30 year old age group.

1987 ALCOHOL RELATED ACCIDENTS

FATAL ACCIDENTS BY DAY OF WEEK AND ACCIDENT HOUR

ACCIDENT HOUR	DAY OF WEEK							TOTAL ACCIDENTS	PERCENT OF TOTAL
	SUN	MON	TUES	WED	THURS	FRI	SAT		
Mid. - 1 am	5	2	1	0	0	3	4	15	7.69
1 am - 2 am	2	0	1	2	4	1	3	13	6.67
2 am - 3 am	8	2	1	3	3	3	5	25	12.82
3 am - 4 am	2	2	1	0	2	1	1	9	4.61
4 am - 5 am	4	1	0	1	0	2	1	9	4.61
5 am - 6 am	1	1	1	1	0	0	0	4	2.05
6 am - 7 am	1	0	0	1	1	0	1	4	2.05
7 am - 8 am	1	0	0	2	0	0	1	4	2.05
8 am - 9 am	0	0	0	0	0	1	1	2	1.03
9 am - 10 am	1	0	0	0	0	0	1	2	1.03
10 am - 11 am	1	0	0	0	0	0	1	2	1.03
11 am - Noon	0	0	0	0	0	1	0	1	0.51
Noon - 1 pm	0	0	0	0	0	0	1	1	0.51
1 pm - 2 pm	0	0	0	0	0	0	2	2	1.03
2 pm - 3 pm	0	0	0	1	1	0	0	2	1.03
3 pm - 4 pm	2	0	1	1	1	1	0	6	3.08
4 pm - 5 pm	2	0	0	0	0	1	2	5	2.56
5 pm - 6 pm	7	2	0	1	2	0	1	13	6.67
6 pm - 7 pm	2	0	0	1	2	0	1	6	3.08
7 pm - 8 pm	5	1	2	2	0	4	0	14	7.18
8 pm - 9 pm	4	2	0	0	1	2	2	11	5.64
9 pm - 10 pm	2	1	1	1	0	6	1	12	6.15
10 pm - 11 pm	2	1	1	0	0	2	3	9	4.61
11 pm - Mid.	2	1	4	2	1	4	6	20	10.26
UNKNOWN	2	2	0	0	0	0	0	4	2.05
TOTAL	56	18	14	19	18	32	38	195	100.00

1987 ALCOHOL RELATED ACCIDENTS

INJURY ACCIDENTS BY DAY OF WEEK AND ACCIDENT HOUR

ACCIDENT HOUR	DAY OF WEEK							TOTAL ACCIDENTS	PERCENT OF TOTAL
	SUN	MON	TUES	WED	THURS	FRI	SAT		
Mid. - 1 am	66	22	30	29	32	46	87	312	8.56
1 am - 2 am	99	14	31	29	34	31	107	345	9.47
2 am - 3 am	102	6	28	35	45	41	115	372	10.21
3 am - 4 am	68	8	10	14	23	20	64	207	5.68
4 am - 5 am	39	2	4	8	9	13	37	112	3.07
5 am - 6 am	27	3	3	2	7	5	34	81	2.22
6 am - 7 am	21	1	2	1	5	9	21	60	1.65
7 am - 8 am	12	0	0	3	7	5	13	40	1.10
8 am - 9 am	9	4	3	2	2	2	10	32	0.88
9 am - 10 am	6	3	2	2	2	4	14	33	0.91
10 am - 11 am	5	1	2	0	2	4	8	22	0.61
11 am - Noon	5	1	1	1	3	3	8	22	0.61
Noon - 1 pm	11	2	0	2	11	3	17	46	1.26
1 pm - 2 pm	7	1	2	6	6	8	16	46	1.26
2 pm - 3 pm	8	2	7	4	2	7	17	47	1.29
3 pm - 4 pm	7	7	6	13	17	3	19	72	1.98
4 pm - 5 pm	22	14	10	9	24	22	28	129	3.54
5 pm - 6 pm	30	21	15	17	18	37	29	167	4.58
6 pm - 7 pm	31	20	26	22	25	39	49	212	5.82
7 pm - 8 pm	29	21	21	22	32	38	49	212	5.82
8 pm - 9 pm	35	13	33	22	30	50	36	219	6.01
9 pm - 10 pm	26	26	21	37	27	51	42	230	6.31
10 pm - 11 pm	28	25	28	30	31	52	69	263	7.22
11 pm - Mid.	21	25	33	30	39	83	65	296	8.13
UNKNOWN	7	3	9	6	8	7	26	66	1.81
TOTAL	721	245	327	346	441	583	980	3,643	100.00

1987 ALCOHOL RELATED ACCIDENTS

PROPERTY DAMAGE ACCIDENTS BY DAY OF WEEK AND ACCIDENT HOUR

ACCIDENT HOUR	DAY OF WEEK							TOTAL ACCIDENTS	PERCENT OF TOTAL
	SUN.	MON.	TUES.	WED.	THURS.	FRI.	SAT.		
Mid. - 1 am	66	32	38	40	41	43	121	381	8.52
1 am - 2 am	116	15	27	36	50	56	123	423	9.46
2 am - 3 am	106	15	35	37	57	60	133	443	9.91
3 am - 4 am	67	10	12	16	25	30	79	239	5.35
4 am - 5 am	43	7	6	12	9	13	31	121	2.71
5 am - 6 am	25	2	6	3	9	10	31	86	1.92
6 am - 7 am	23	1	3	2	6	8	19	62	1.39
7 am - 8 am	20	1	1	1	7	4	15	49	1.10
8 am - 9 am	11	4	5	10	8	2	13	53	1.19
9 am - 10 am	9	1	3	4	9	10	16	52	1.16
10 am - 11 am	9	3	2	3	6	5	10	38	0.85
11 am - Noon	5	3	8	9	10	5	14	54	1.21
Noon - 1 pm	9	3	6	4	5	10	23	60	1.34
1 pm - 2 pm	10	7	6	4	9	8	13	57	1.27
2 pm - 3 pm	12	6	4	7	11	7	17	64	1.43
3 pm - 4 pm	14	7	11	10	10	13	24	89	1.99
4 pm - 5 pm	22	14	11	17	23	21	33	141	3.15
5 pm - 6 pm	25	16	20	26	27	36	47	197	4.41
6 pm - 7 pm	32	25	23	19	32	34	45	210	4.70
7 pm - 8 pm	39	21	18	31	28	56	46	239	5.35
8 pm - 9 pm	30	29	22	42	24	67	54	268	5.99
9 pm - 10 pm	31	33	30	31	41	75	62	303	6.78
10 pm - 11 pm	33	37	37	47	43	82	57	336	7.51
11 pm - Mid.	35	36	39	44	54	97	85	390	8.72
UNKNOWN	20	13	7	16	16	17	27	116	2.59
TOTAL	812	341	380	471	560	769	1,138	4,471	100.00

1987 ALCOHOL RELATED ACCIDENTS

ALL ACCIDENTS BY DAY OF WEEK AND ACCIDENT HOUR

ACCIDENT HOUR	DAY OF WEEK							TOTAL ACCIDENTS	PERCENT OF TOTAL
	SUN.	MON.	TUES.	WED.	THURS.	FRI.	SAT.		
Mid. - 1 am	137	56	69	69	73	92	212	708	8.52
1 am - 2 am	217	29	59	67	88	88	233	781	9.40
2 am - 3 am	216	23	64	75	105	104	253	840	10.11
3 am - 4 am	137	20	23	30	50	51	144	455	5.47
4 am - 5 am	86	10	10	21	18	28	69	242	2.91
5 am - 6 am	53	6	10	6	16	15	65	171	2.06
6 am - 7 am	45	2	5	4	12	17	41	126	1.51
7 am - 8 am	33	1	1	6	14	9	29	93	1.12
8 am - 9 am	20	8	8	12	10	5	24	87	1.05
9 am - 10 am	16	4	5	6	11	14	31	87	1.05
10 am - 11 am	15	4	4	3	8	9	19	62	0.74
11 am - Noon	10	4	9	10	13	9	22	77	0.93
Noon - 1 pm	20	5	6	6	16	13	41	107	1.29
1 pm - 2 pm	17	8	8	10	15	16	31	105	1.26
2 pm - 3 pm	20	8	11	12	14	14	34	113	1.36
3 pm - 4 pm	23	14	18	24	28	17	43	167	2.00
4 pm - 5 pm	46	28	21	26	47	44	63	275	3.31
5 pm - 6 pm	62	39	35	44	47	73	77	377	4.54
6 pm - 7 pm	65	45	49	42	59	73	95	428	5.15
7 pm - 8 pm	73	43	41	55	60	98	95	465	5.60
8 pm - 9 pm	69	44	55	64	55	119	92	498	6.00
9 pm - 10 pm	59	60	52	69	68	132	105	545	6.56
10 pm - 11 pm	63	63	66	77	74	136	129	608	7.32
11 pm - Mid.	58	62	76	76	94	184	156	706	8.50
UNKNOWN	29	18	16	22	24	24	53	186	2.24
TOTAL	1,589	604	721	836	1,019	1,384	2,156	8,309	100.00

fig. 24

1987 ALCOHOL RELATED ACCIDENTS

BY ACCIDENT HOUR

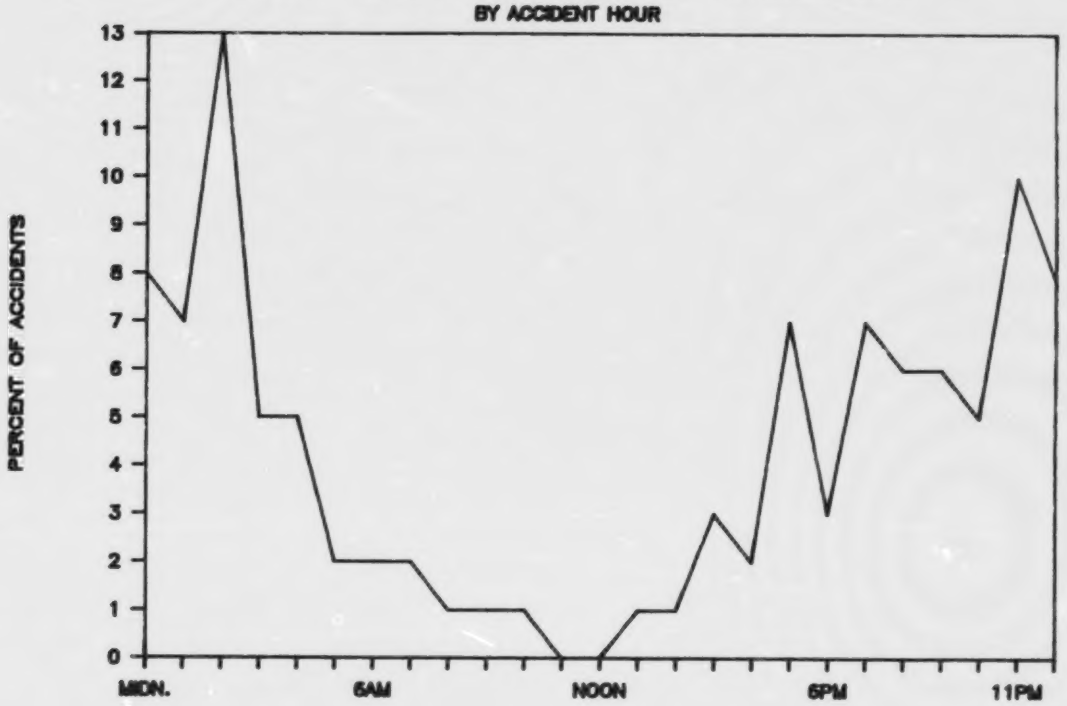


fig. 25

1987 ALCOHOL RELATED ACCIDENTS

BY DAY OF WEEK

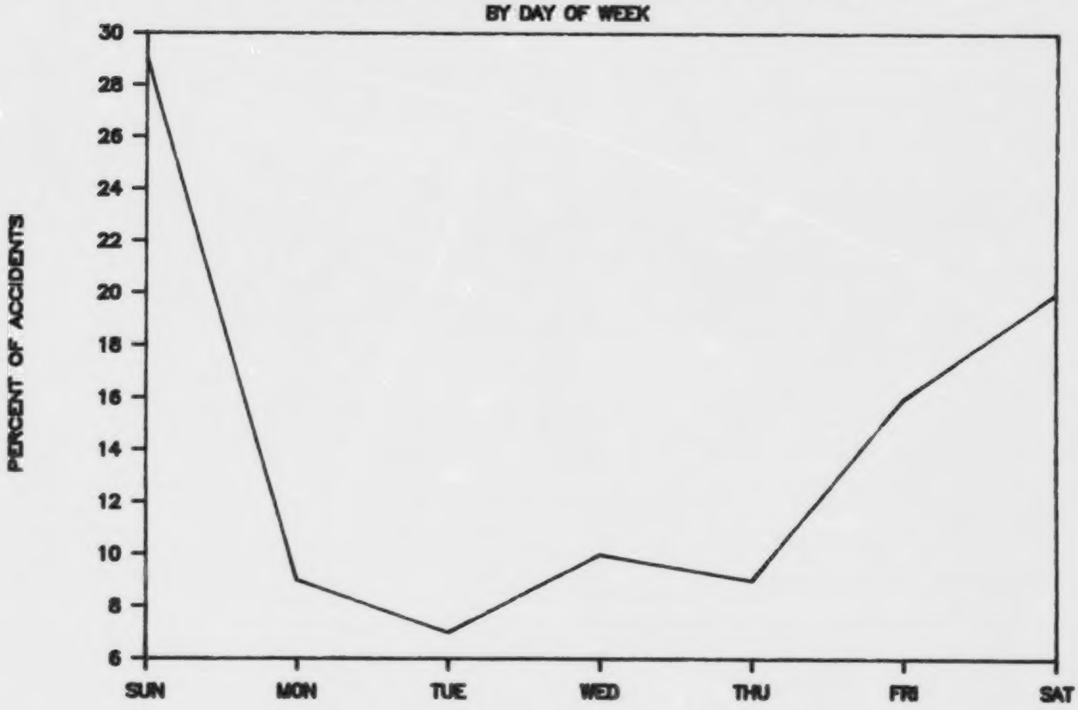
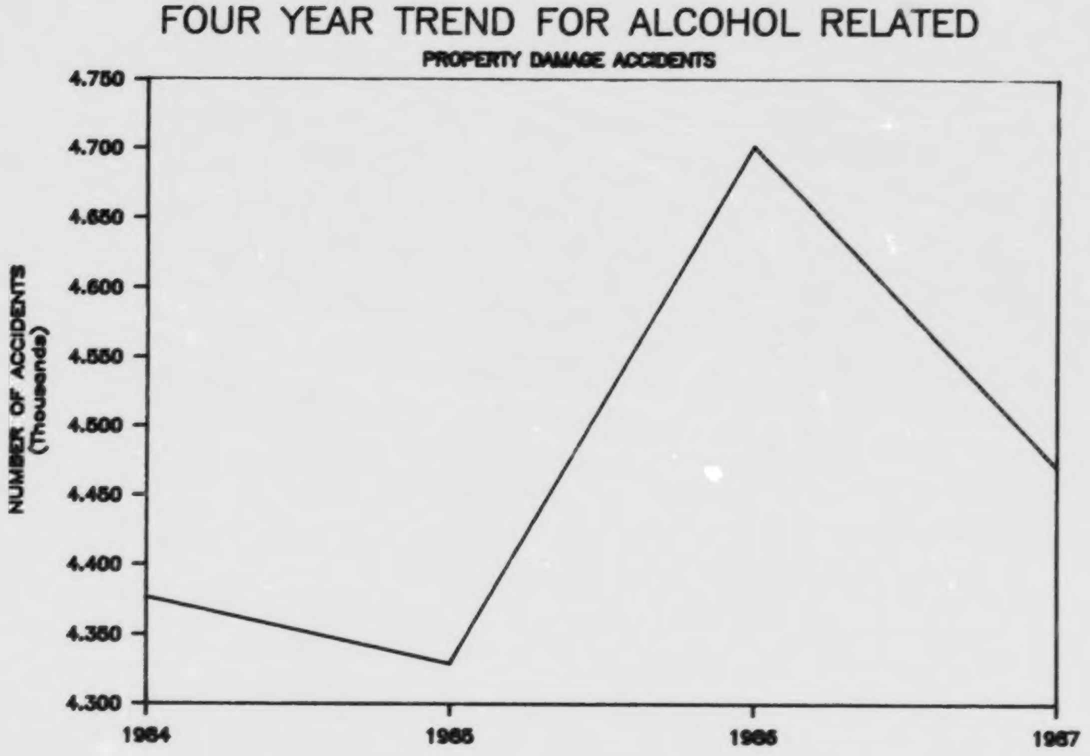
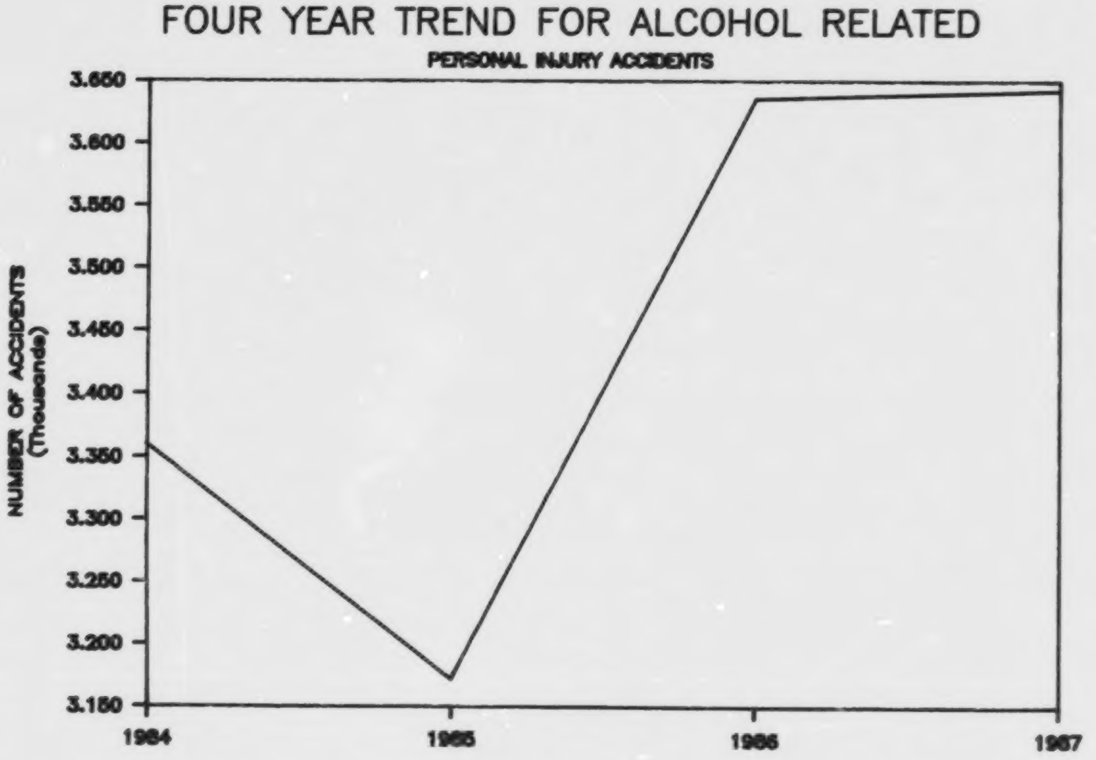


fig. 26



FOUR YEAR TREND FOR ALCOHOL RELATED
PROPERTY DAMAGE ACCIDENTS
NUMBER OF ACCIDENTS (Thousands)
4.750
4.700
4.650
4.600
4.550
4.500
4.450
4.400
4.350
4.300
1984
1985
1986
1987

fig. 27



FOUR YEAR TREND FOR ALCOHOL RELATED
PERSONAL INJURY ACCIDENTS
NUMBER OF ACCIDENTS (Thousands)
3.650
3.600
3.550
3.500
3.450
3.400
3.350
3.300
3.250
3.200
3.150
1984
1985
1986
1987

fig. 28

FOUR YEAR TREND FOR ALCOHOL RELATED

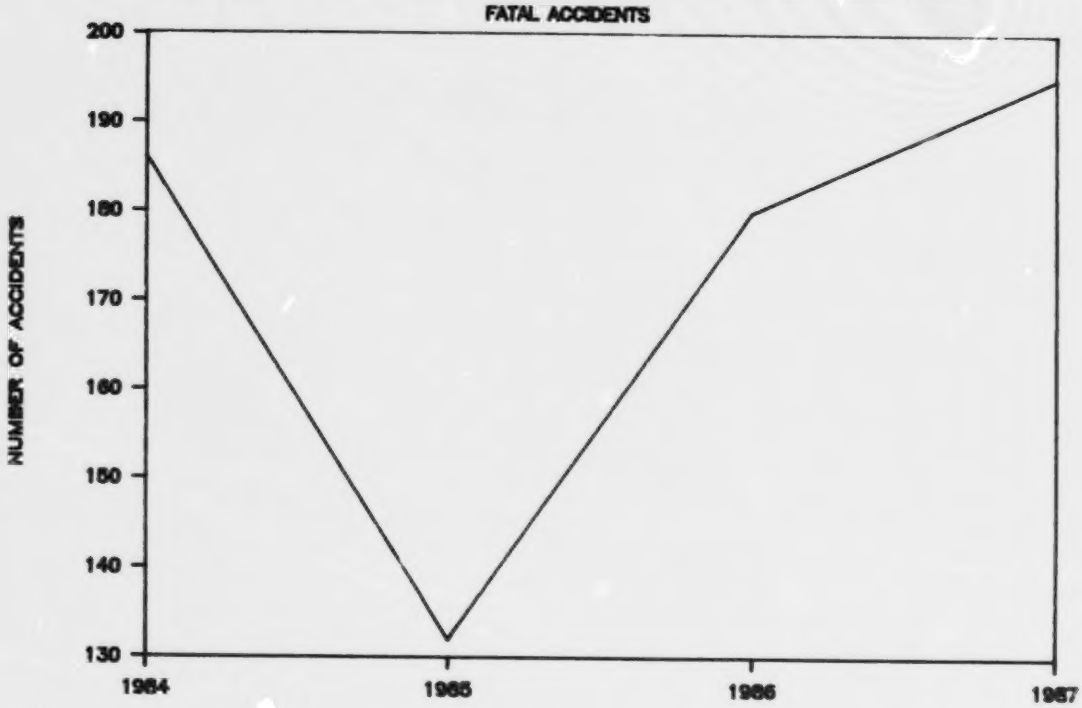
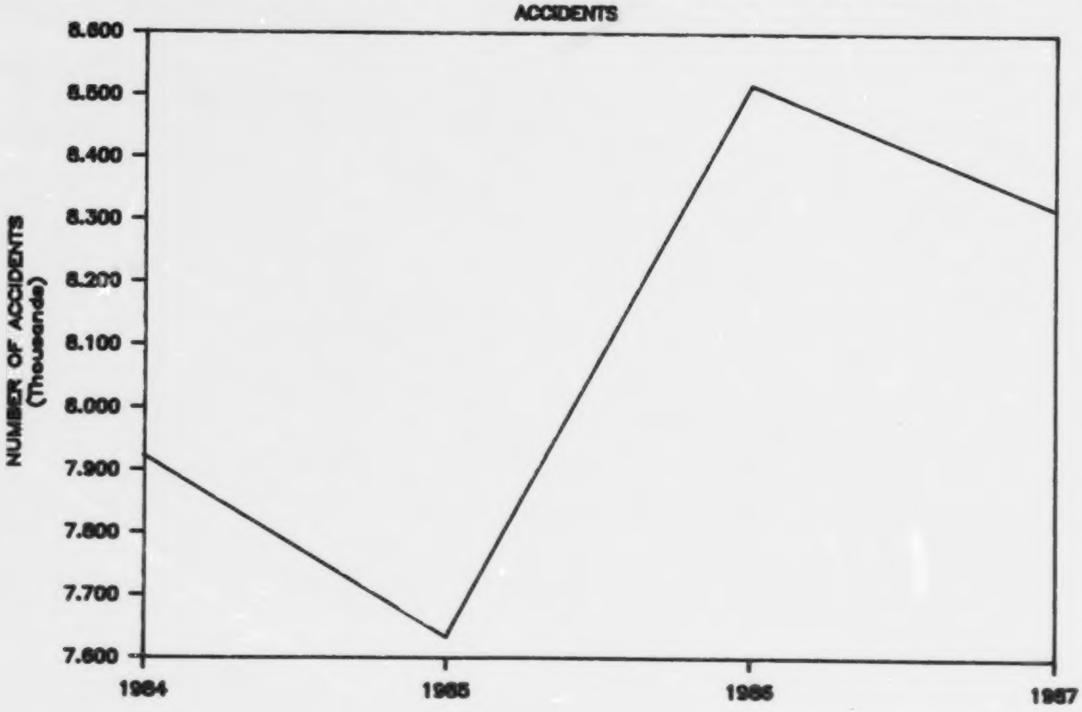


fig. 29

FOUR YEAR TREND FOR ALL ALCOHOL RELATED



1987 ALCOHOL RELATED ACCIDENTS
DRIVER AGE BY SEX BY ACCIDENT TYPE

- ALL DRIVERS INVOLVED -

DRIVER AGE	ACCIDENT TYPE			TOTAL DRIVERS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
1 - 5	2	0	0	2	0.02
6 - 10	0	0	0	0	0.00
11 - 15	9	8	0	17	0.15
16	66	60	2	128	1.12
17	160	151	8	319	2.80
18	202	208	9	419	3.67
19	273	251	14	538	4.72
20	256	245	16	517	4.53
21 - 25	1,192	1,144	54	2,390	20.95
26 - 30	949	857	43	1,849	16.21
31 - 35	739	616	34	1,389	12.17
36 - 40	507	446	22	975	8.55
41 - 45	371	293	21	685	6.00
46 - 50	247	230	10	487	4.27
51 - 55	204	152	7	363	3.18
56 - 60	139	118	8	265	2.32
61 - 65	106	87	5	198	1.74
66 - 70	49	37	1	87	0.76
71 - 75	32	28	3	63	0.55
76 - 80	8	9	0	17	0.15
81 - 85	5	7	0	12	0.10
OVER 85	2	0	0	2	0.02
UNKNOWN	492	192	3	687	6.02
TOTAL	6,010	5,139	260	11,409	100.00

1987 ALCOHOL RELATED ACCIDENTS
DRIVER AGE BY SEX BY ACCIDENT TYPE

- DRIVERS WITH ALCOHOL FACTOR ONLY -

DRIVER AGE	ACCIDENT TYPE			TOTAL DRIVERS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
1 - 5	2	0	0	2	0.02
6 - 10	0	0	0	0	0.00
11 - 15	9	7	0	16	0.20
16	31	38	1	70	0.85
17	110	98	5	213	2.60
18	147	154	9	310	3.78
19	211	193	10	414	5.05
20	212	198	13	423	5.16
21 - 25	938	862	41	1,841	22.46
26 - 30	714	610	33	1,357	16.56
31 - 35	568	436	22	1,026	12.52
36 - 40	337	295	18	650	7.93
41 - 45	261	167	9	437	5.33
46 - 50	167	128	7	302	3.68
51 - 55	117	68	3	188	2.29
56 - 60	90	59	3	152	1.86
61 - 65	73	46	3	122	1.49
66 - 70	34	20	0	54	0.66
71 - 75	18	15	3	36	0.44
76 - 80	8	3	0	11	0.13
81 - 85	2	2	0	4	0.05
OVER 85	1	0	0	1	0.01
UNKNOWN	448	117	3	568	6.93
TOTAL	4,498	3,516	183	8,197	100.00

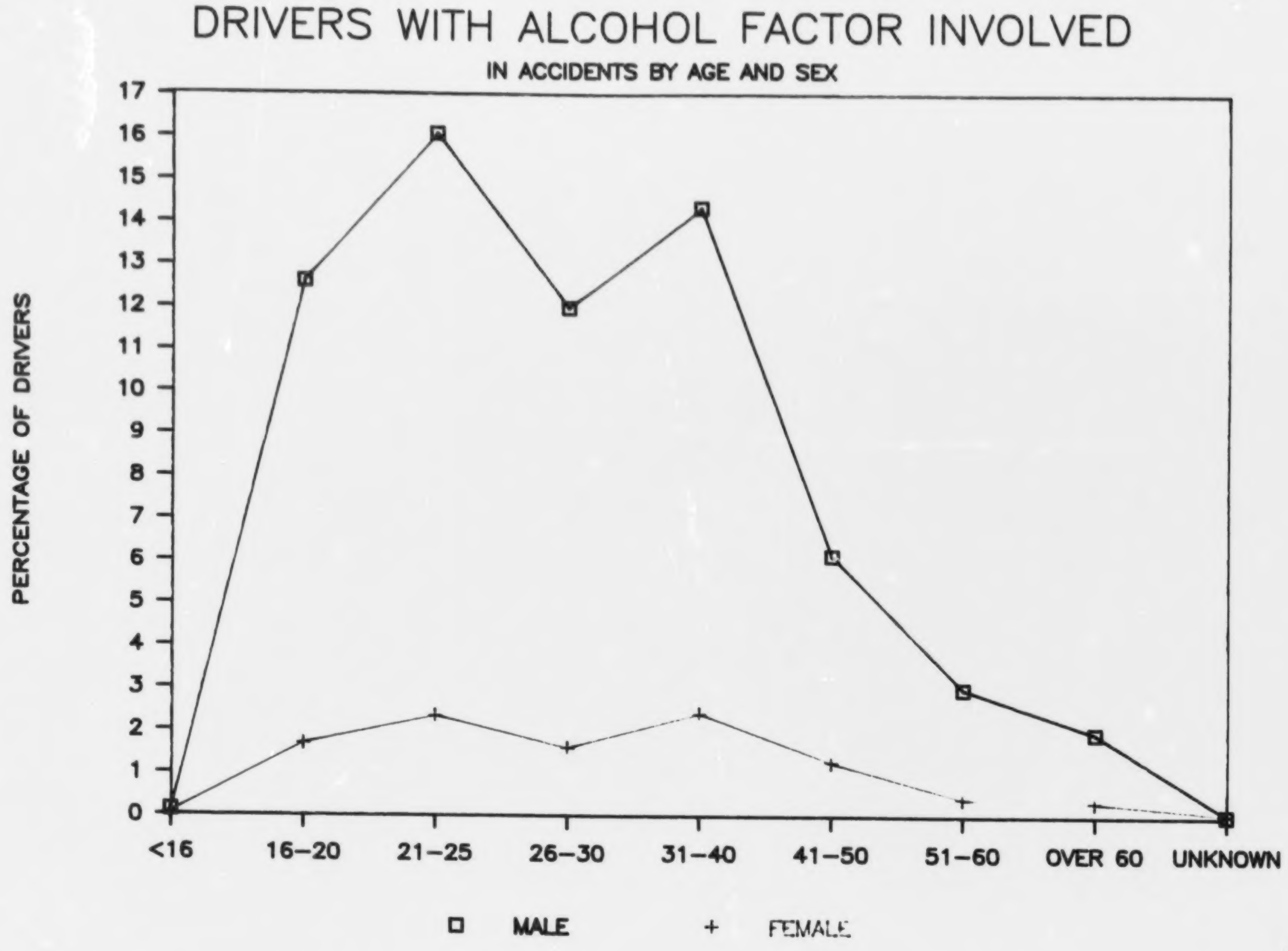

DRIVERS WITH ALCOHOL FACTOR INVOLVED
IN ACCIDENTS BY AGE AND SEX
PERCENTAGE OF DRIVERS
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
<16
16-20
21-25
26-30
31-40
41-50
51-60
OVER 60
UNKNOWN
MALE
FEMALE

fig. 30

1987 ALCOHOL RELATED ACCIDENTS

VICTIMS INJURED BY VICTIM AGE AND ROAD USER CLASS

VICTIM AGE	DRIVER	PASSENGER	BICYCLIST	PEDESTRIAN	M/C DRIVER	M/C PASSENGER	UNKNOWN/ OTHER	TOTAL INJURED	PERCENT OF TOTAL
1	0	7	0	0	0	0	0	7	0.12
2	0	3	0	1	1	0	0	5	0.09
3	0	7	0	1	0	0	0	8	0.14
4	0	10	0	0	0	0	0	10	0.17
5	0	10	0	1	0	0	0	11	0.19
6 - 10	0	49	5	4	0	0	0	58	1.00
11 - 15	8	107	6	10	2	4	1	138	2.39
16	41	74	1	5	0	4	0	125	2.16
17	100	129	1	4	6	3	2	245	4.24
18	128	137	3	13	9	1	1	292	5.05
19	174	152	2	9	14	2	1	354	6.12
20	152	114	2	9	18	6	0	301	5.21
21 - 25	718	478	14	40	66	18	8	1,342	23.21
26 - 30	519	271	15	40	38	6	1	890	15.39
31 - 35	357	135	7	29	36	4	3	571	9.88
36 - 40	259	87	2	21	15	2	3	389	6.73
41 - 45	173	53	1	13	5	0	2	247	4.27
46 - 50	124	41	2	4	4	0	2	177	3.06
51 - 55	77	26	2	7	0	0	0	112	1.94
56 - 60	57	23	2	7	0	0	0	89	1.54
61 - 65	42	30	0	5	0	0	0	77	1.33
66 - 70	24	11	0	4	0	0	0	39	0.67
71 - 75	16	11	0	3	0	0	0	30	0.52
76 - 80	5	7	0	1	0	0	0	13	0.22
81 - 85	3	3	0	0	0	0	0	6	0.10
OVER 85	0	1	0	0	0	0	0	1	0.02
UNKNOWN	14	206	1	12	1	9	2	245	4.24
TOTAL	2,991	2,182	66	243	215	59	26	5,782	100.00

1987 ALCOHOL RELATED ACCIDENTS

VICTIMS KILLED BY VICTIM AGE AND ROAD USER CLASS

VICTIM AGE	DRIVER	PASSENGER	BICYCLIST	PEDESTRIAN	M/C DRIVER	M/C PASSENGER	UNKNOWN/ OTHER	TOTAL KILLED	PERCENT OF TOTAL
1	0	0	0	0	0	0	0	0	0.00
2	0	1	0	0	0	0	0	1	0.43
3	0	1	0	0	0	0	0	1	0.43
4	0	0	0	0	0	0	0	0	0.00
5	0	0	0	0	0	0	0	0	0.00
6 - 10	0	3	0	0	0	0	0	3	1.30
11 - 15	0	0	0	2	0	0	0	2	0.87
16	1	2	0	2	0	0	0	5	2.17
17	2	2	0	2	0	0	0	6	2.60
18	5	4	0	0	0	0	0	9	3.90
19	6	4	0	1	0	0	0	11	4.76
20	6	8	0	2	0	0	1	17	7.36
21 - 25	18	13	0	4	6	0	2	43	18.61
26 - 30	18	15	0	2	6	1	1	43	18.61
31 - 35	10	7	0	3	5	0	1	26	11.26
36 - 40	6	2	0	3	3	0	1	15	6.49
41 - 45	8	3	0	0	1	0	1	13	5.63
46 - 50	6	1	0	2	0	0	0	9	3.90
51 - 55	1	1	0	0	1	0	0	3	1.30
56 - 60	3	3	0	1	1	0	0	8	3.46
61 - 65	3	1	0	2	0	0	0	6	2.60
66 - 70	1	1	0	2	0	0	0	4	1.73
71 - 75	3	0	0	0	0	0	0	3	1.30
76 - 80	0	0	0	1	0	0	0	1	0.43
81 - 85	0	0	0	1	0	0	0	1	0.43
OVER 85	0	0	0	0	0	0	0	0	0.00
UNKNOWN	0	1	0	0	0	0	0	1	0.43
TOTAL	97	73	0	30	23	1	7	231	100.00

VICTIMS INJURED BY VICTIM AGE BY ROAD USER CLASS IN 1987 ALCOHOL RELATED ACCIDENTS

- VICTIMS NOT IN DRINKING DRIVER'S VEHICLE ONLY -

VICTIM AGE	DRIVER	PASSENGER	BICYCLIST	PEDESTRIAN	M/C DRIVER	M/C PASSENGER	UNKNOWN/ OTHER	TOTAL INJURED	PERCENT OF TOTAL
1	0	4	0	0	0	0	0	4	0.18
2	0	0	0	1	0	0	0	1	0.05
3	0	2	0	1	0	0	0	3	0.14
4	0	4	0	0	0	0	0	4	0.18
5	0	3	0	1	0	0	0	4	0.18
6 - 10	0	27	5	3	0	0	0	35	1.59
11 - 15	2	61	5	8	1	1	0	78	3.56
16	22	28	1	4	0	0	0	55	2.51
17	29	43	1	2	0	1	0	76	3.47
18	52	44	3	7	6	0	1	113	5.15
19	59	46	1	5	8	1	0	120	5.47
20	60	32	1	3	4	4	0	104	4.74
21 - 25	232	147	4	18	20	6	0	427	19.47
26 - 30	192	102	4	16	12	1	0	327	14.91
31 - 35	115	51	3	16	6	1	0	192	8.76
36 - 40	96	41	1	9	7	1	0	155	7.07
41 - 45	92	32	0	9	2	0	0	135	6.16
46 - 50	52	23	1	1	1	0	1	79	3.60
51 - 55	39	14	2	2	0	0	0	57	2.60
56 - 60	34	17	0	2	0	0	0	53	2.42
61 - 65	22	21	0	2	0	0	0	45	2.05
66 - 70	10	4	0	2	0	0	0	16	0.73
71 - 75	8	6	0	1	0	0	0	15	0.68
76 - 80	2	6	0	0	0	0	0	8	0.36
81 - 85	2	0	0	0	0	0	0	2	0.09
OVER 85	0	1	0	0	0	0	0	1	0.05
UNKNOWN	4	68	0	9	0	3	0	84	3.83
TOTAL	1,124	827	32	122	67	19	2	2,193	100.00

VICTIMS KILLED BY VICTIM AGE BY ROAD USER CLASS
IN 1987 ALCOHOL RELATED ACCIDENTS

- VICTIMS NOT IN DRINKING DRIVER'S VEHICLE ONLY -

VICTIM AGE	DRIVER	PASSENGER	BICYCLIST	PEDESTRIAN	M/C DRIVER	M/C PASSENGER	UNKNOWN/ OTHER	TOTAL INJURED	PERCENT OF TOTAL
1	0	0	0	0	0	0	0	0	0.00
2	0	0	0	0	0	0	0	0	0.00
3	0	1	0	0	0	0	0	1	1.43
4	0	0	0	0	0	0	0	0	0.00
5	0	0	0	0	0	0	0	0	0.00
6 - 10	0	1	0	0	0	0	0	1	1.43
11 - 15	0	0	0	2	0	0	0	2	2.86
16	0	0	0	2	0	0	0	2	2.86
17	0	0	0	2	0	0	0	2	2.86
18	3	2	0	0	0	0	1	5	7.14
19	2	3	0	0	0	0	0	5	7.14
20	0	1	0	0	0	0	0	1	1.43
21 - 25	7	1	0	2	3	0	0	13	18.57
26 - 30	4	1	0	0	1	0	0	6	8.57
31 - 35	3	2	0	0	4	0	0	9	12.85
36 - 40	1	1	0	0	0	0	0	2	2.86
41 - 45	7	0	0	0	0	0	0	7	10.00
46 - 50	3	0	0	1	0	0	1	4	5.71
51 - 55	0	1	0	0	0	0	0	1	1.43
56 - 60	0	1	0	0	1	0	0	2	2.86
61 - 65	1	0	0	0	0	0	0	1	1.43
66 - 70	1	1	0	1	0	0	0	3	4.28
71 - 75	1	0	0	0	0	0	0	1	1.43
76 - 80	0	0	0	1	0	0	0	1	1.43
81 - 85	0	0	0	1	0	0	0	1	1.43
OVER 85	0	0	0	0	0	0	0	0	0.00
UNKNOWN	0	0	0	0	0	0	0	0	0.00
TOTAL	33	16	0	12	9	0	2	70	100.00

VICTIMS INJURED BY DRIVER AGE BY ROAD USER CLASS IN 1987 ALCOHOL RELATED ACCIDENTS

- VICTIMS IN DRINKING DRIVER'S VEHICLE ONLY -

VICTIM AGE	DRIVER	PASSENGER	BICYCLIST	PEDESTRIAN	M/C DRIVER	M/C PASSENGER	UNKNOWN/ OTHER	TOTAL INJURED	PERCENT OF TOTAL
1	0	0	0	0	0	0	0	0	0.00
2	0	0	0	0	0	0	0	0	0.00
3	0	0	0	0	0	0	0	0	0.00
4	0	0	0	0	0	0	0	0	0.00
5	0	0	0	0	0	0	0	0	0.00
6 - 10	0	0	0	0	0	0	0	0	0.00
11 - 15	6	4	1	2	1	0	0	14	0.39
16	20	29	0	1	0	0	0	50	1.39
17	63	78	0	3	7	4	1	156	4.35
18	79	113	0	5	3	1	1	202	5.63
19	112	104	1	5	6	2	0	230	6.41
20	91	88	1	4	16	2	1	203	5.66
21 - 25	486	368	8	22	43	10	3	940	26.19
26 - 30	323	204	12	25	25	5	0	594	16.55
31 - 35	244	151	4	12	30	10	1	452	12.59
36 - 40	162	63	1	12	9	4	0	251	6.99
41 - 45	81	40	0	4	4	0	1	130	3.62
46 - 50	73	20	1	3	2	0	0	99	2.76
51 - 55	37	15	0	5	0	0	0	57	1.59
56 - 60	24	13	2	5	1	0	0	45	1.25
61 - 65	21	13	0	3	0	0	0	37	1.03
66 - 70	12	2	0	2	0	0	0	16	0.45
71 - 75	9	4	0	2	0	0	0	15	0.42
76 - 80	2	0	0	1	0	0	0	3	0.08
81 - 85	1	0	0	0	0	0	0	1	0.03
OVER 85	0	46	0	0	0	0	0	0	0.00
UNKNOWN	21	0	3	5	1	2	16	94	2.62
TOTAL	1,867	1,355	34	121	148	40	24	3,589	100.00

VICTIMS KILLED BY DRIVER AGE BY ROAD USER CLASS IN 1987 ALCOHOL RELATED ACCIDENTS

- VICTIMS IN DRINKING DRIVER'S VEHICLE ONLY -

VICTIM AGE	DRIVER	PASSENGER	BICYCLIST	PEDESTRIAN	M/C DRIVER	M/C PASSENGER	UNKNOWN/ OTHER	TOTAL KILLED	PERCENT OF TOTAL
1	0	0	0	0	0	0	0	0	0.00
2	0	0	0	0	0	0	0	0	0.00
3	0	0	0	0	0	0	0	0	0.00
4	0	0	0	0	0	0	0	0	0.00
5	0	0	0	0	0	0	0	0	0.00
6 - 10	0	0	0	0	0	0	0	0	0.00
11 - 15	0	0	0	0	0	0	0	0	0.00
16	1	0	0	0	0	0	0	1	0.62
17	2	2	0	0	0	0	1	4	2.49
18	2	3	0	0	0	0	1	5	3.11
19	4	3	0	1	0	0	0	8	4.97
20	6	6	0	2	0	0	1	14	8.70
21 - 25	11	20	0	2	3	0	3	38	23.60
26 - 30	14	9	0	2	5	1	0	31	19.26
31 - 35	7	9	0	3	1	0	1	20	12.42
36 - 40	5	4	0	3	3	0	0	15	9.32
41 - 45	1	0	0	0	1	0	1	2	1.24
46 - 50	3	0	0	1	0	0	0	4	2.48
51 - 55	1	0	0	1	1	0	0	3	1.86
56 - 60	3	0	0	1	0	0	0	4	2.48
61 - 65	2	1	0	1	0	0	0	4	2.48
66 - 70	0	0	0	1	0	0	0	1	0.62
71 - 75	2	0	0	0	0	0	0	2	1.24
76 - 80	0	0	0	0	0	0	0	0	0.00
81 - 85	0	0	0	0	0	0	0	0	0.00
OVER 85	0	0	0	0	0	0	0	0	0.00
UNKNOWN	0	0	0	0	0	0	16	5	3.11
TOTAL	64	57	0	18	14	1	24	161	100.00

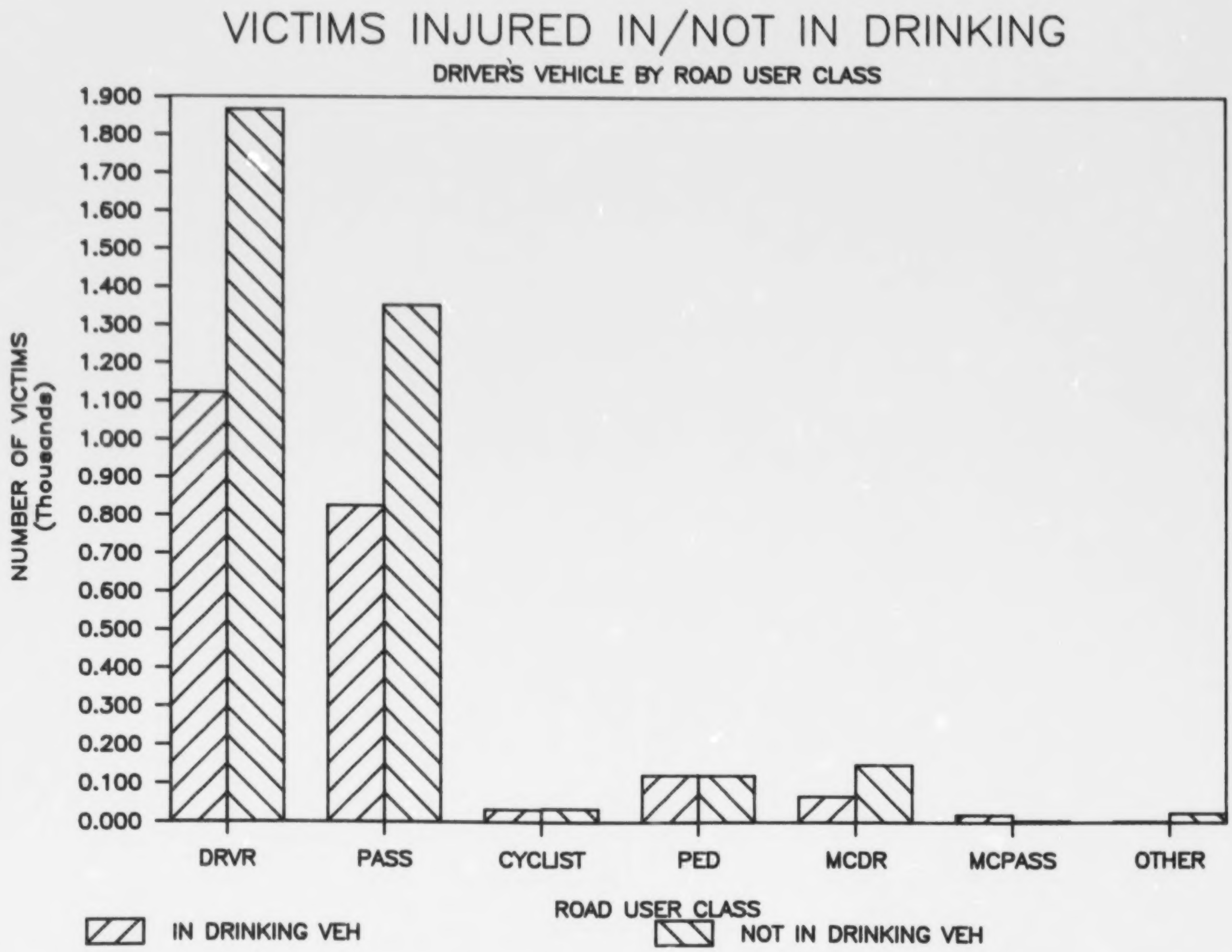
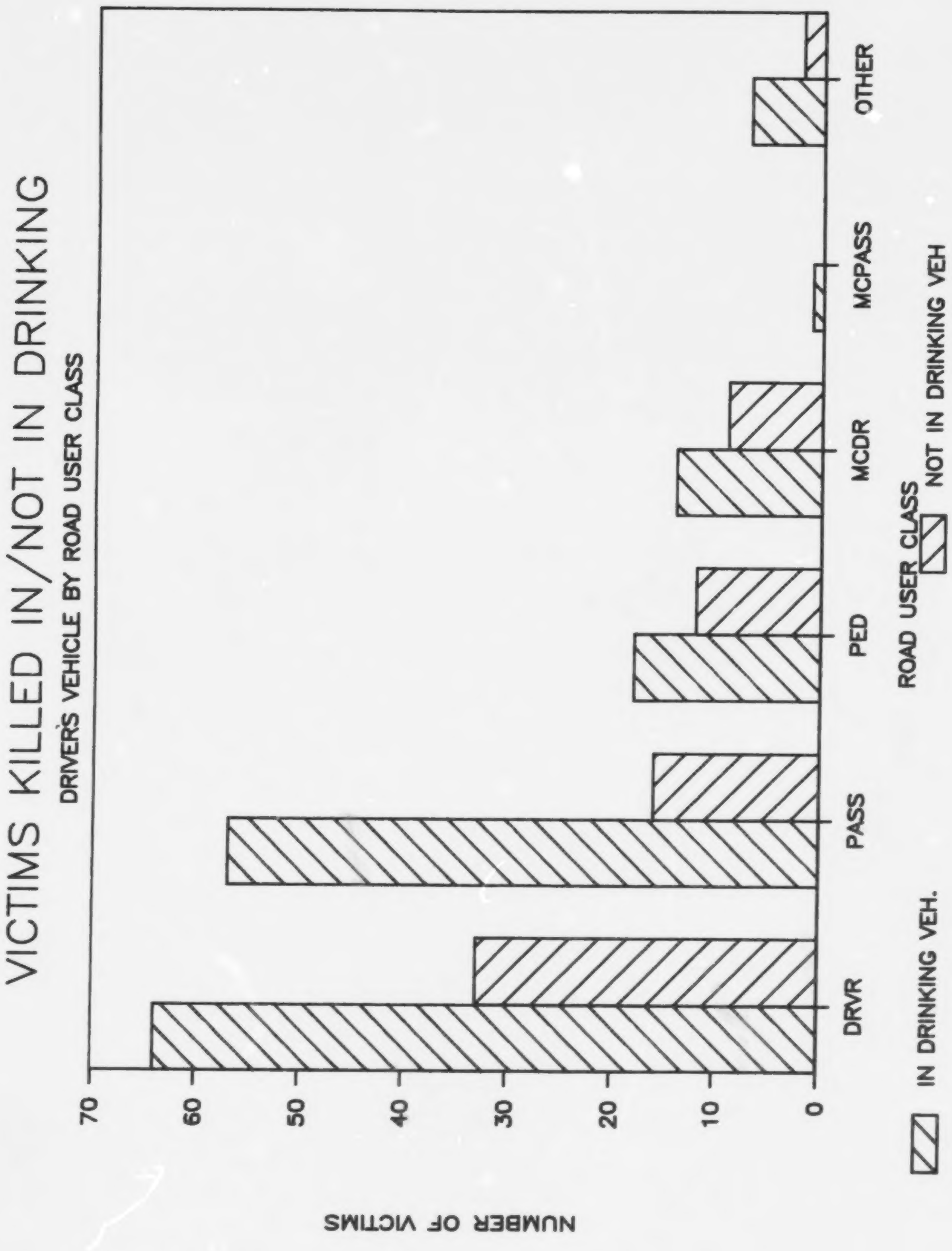

VICTIMS INJURED IN/NOT IN DRINKING
DRIVER'S VEHICLE BY ROAD USER CLASS
NUMBER OF VICTIMS
(Thousands)
1.900
1.800
1.700
1.600
1.500
1.400
1.300
1.200
1.100
1.000
0.900
0.800
0.700
0.600
0.500
0.400
0.300
0.200
0.100
0.000
DRVR
PASS
CYCLIST
PED
MCDR
MCPASS
OTHER
ROAD USER CLASS
IN DRINKING VEH
NOT IN DRINKING VEH

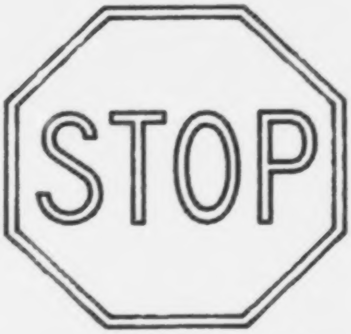
fig. 31

fig. 32



VICTIMS KILLED IN/NOT IN DRINKING
DRIVER'S VEHICLE BY ROAD USER CLASS
NUMBER OF VICTIMS
0
10
20
30
40
50
60
70
DRVR
PASS
PED
MCDR
MCPASS
OTHER
ROAD USER CLASS
IN DRINKING VEH.
NOT IN DRINKING VEH

SECTION 12



MOTORCYCLE ACCIDENTS

1987 MOTORCYCLE ACCIDENTS

There was a 1% reduction in the number of motorcycles licenced during 1987 as compared to 1986.

During this period, drivers licenced to drive motorcycles (class 6) totalled 166,598, a 5% increase from the previous year.

Motorcycle victims injured increased by 2% over 1986. Motorcycle drivers injured totalled 1,912 in 1987 and motorcycle passengers injured equalled 320.

A greater number of motorcycle drivers were killed and half as many motorcycle passengers were killed in traffic accidents in 1987. Sixty motorcycle drivers and four motorcycle passengers were fatally injured in 1987, while during the previous year, 49 motorcycle drivers and 8 motorcycle passengers were killed.

The major contributing factors assigned to motorcycle drivers in accidents in 1987 were driving without due care; unsafe speed; alcohol involvement and driver inexperience. These proportions remained unchanged from the previous year.

1987 MOTORCYCLE ACCIDENTS

MAJOR CONTRIBUTING FACTORS BY ACCIDENT TYPE

- ALL DRIVERS/VEHICLES INVOLVED -

CONTRIBUTING FACTORS	ACCIDENT TYPE			TOTAL FACTORS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
DRIVING WITHOUT DUE CARE	86	387	10	483	18.00
FAILING TO YIELD RIGHT OF WAY	79	362	8	449	16.74
ALCOHOL INVOLVEMENT	39	191	22	252	9.39
DRIVING AT UNSAFE SPEED	24	174	14	212	7.90
DRIVER INEXPERIENCE	18	155	6	179	6.67
FOLLOWING TOO CLOSELY	24	94	2	120	4.47
IMPROPER PASSING	24	65	1	90	3.35
IMPROPER TURNING	19	61	1	81	3.02
CUTTING IN	2	56	0	58	2.16
IGNORING TRAFFIC CONTROL DEVICE	6	49	1	56	2.09
OBSTRUCTION/DEBRIS ON ROAD	11	35	0	46	1.71
BACKING UNSAFELY	35	8	0	43	1.60
WEATHER CONDITION	16	26	0	42	1.57
WILD ANIMAL	8	32	0	40	1.49
VISIBILITY IMPAIRED	5	31	0	36	1.34
DOMESTIC ANIMAL	6	22	1	29	1.08
DRIVING ON WRONG SIDE OF ROAD	2	24	2	28	1.04
PAVEMENT CONDITION	5	19	0	24	0.89
FAILING TO SIGNAL	3	18	1	22	0.82
ROAD MAINTENANCE/ CONSTRUCTION	7	14	0	21	0.78
DEFECTIVE TIRES	2	12	1	15	0.56
SUNLIGHT GLARE	1	11	0	12	0.45
AVOIDING VEH/PED/CYCLE	2	7	0	9	0.34
PEDESTRIAN ERROR	0	8	0	8	0.30
DEFECTIVE BRAKES	2	5	0	7	0.26
ROAD/INTERSECTION DESIGN	0	7	0	7	0.26
DEFECTIVE HEADLIGHTS	0	6	0	6	0.22
OTHER	70	231	7	308	11.50
TOTAL	496	2,110	77	2,683	100.00

NOTE: "OTHER" includes factors with 5 or less occurrences.

1987 MOTORCYCLE ACCIDENTS

MAJOR CONTRIBUTING FACTORS BY ACCIDENT TYPE

- MOTORCYCLE DRIVERS/VEHICLES ONLY -

CONTRIBUTING FACTORS	ACCIDENT TYPE			TOTAL FACTORS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
DRIVING WITHOUT DUE CARE	43	247	9	299	18.49
DRIVING AT UNSAFE SPEED	22	163	14	199	12.31
ALCOHOL INVOLVEMENT	18	153	16	187	11.57
DRIVER INEXPERIENCE	14	141	5	160	9.90
FAILING TO YIELD RIGHT OF WAY	23	67	0	90	5.57
FOLLOWING TOO CLOSELY	14	68	2	84	5.20
IMPROPER PASSING	23	54	1	78	4.82
OBSTRUCTION/DEBRIS ON ROAD	11	34	0	45	2.78
WILD ANIMAL	8	32	0	40	2.48
WEATHER CONDITION	11	20	0	31	1.92
IGNORING TRAFFIC CONTROL DEVICE	4	24	1	29	1.79
DOMESTIC ANIMAL	5	22	1	28	1.73
PAVEMENT CONDITION	5	18	0	23	1.42
DRIVING ON WRONG SIDE OF ROAD	0	17	1	18	1.11
ROAD MAINTENANCE/ CONSTRUCTION	6	12	0	18	1.11
IMPROPER TURNING	1	16	0	17	1.05
VISIBILITY IMPAIRED	2	15	0	17	1.05
CUTTING IN	2	11	0	13	0.80
DEFECTIVE TIRES	1	11	1	13	0.80
SUNLIGHT GLARE	1	10	0	11	0.68
OTHER	45	168	4	217	13.42
TOTAL	259	1,303	55	1,617	100.00

NOTE: "OTHER" includes factors with 5 or less occurrences.

1987 MOTORCYCLE ACCIDENTS

PRIMARY ACCIDENT OCCURRENCE BY ACCIDENT TYPE

PRIMARY ACCIDENT OCCURRENCE	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
RIGHT ANGLE COLLISION	81	377	16	474	17.21
REAR END	107	250	2	359	13.03
OFF ROAD - RIGHT	50	198	9	257	9.33
LEFT TURN - ACROSS ONCOMING TRAFFIC	33	143	4	180	6.53
OFF ROAD - LEFT	22	135	7	164	5.95
SIDE SWIPE	32	66	4	102	3.70
OVERTAKING	16	69	0	85	3.09
HEAD ON	8	62	10	80	2.90
LEFT TURN - HEAD ON	12	50	1	63	2.29
LEFT TURN - ONE WAY	7	19	1	27	0.98
BACKING	13	3	0	16	0.58
RIGHT TURN - REAR END	6	9	0	15	0.54
ONE WAY STREET	3	6	0	9	0.33
RIGHT TURN - HEAD ON	1	7	0	8	0.29
RIGHT TURN - OPPOSITE DIRECTION	0	1	0	1	0.04
OTHER	257	556	13	826	29.98
UNKNOWN	22	67	0	89	3.23
TOTAL	670	2,018	67	2,755	100.00

NOTE: The primary accident occurrence categories were modified for 1987 data, therefore comparison between 1987 and prior years is not recommended.

1987 MOTORCYCLE ACCIDENTS

PRE-COLLISION ACTION BY ACCIDENT TYPE

PRE-COLLISION ACTION	ACCIDENT TYPE			TOTAL ACTIONS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
GOING STRAIGHT AHEAD	515	1,882	73	2,470	49.98
MAKING LEFT TURN	145	616	19	780	15.78
PARKED LEGALLY	185	53	2	240	4.86
MAKING RIGHT TURN	66	160	5	231	4.68
STOPPED IN TRAFFIC	58	113	1	172	3.48
SLOWING OR STOPPING	52	115	1	168	3.40
SKIDDING	20	109	10	139	2.81
OVERTAKING	35	99	3	137	2.77
CHANGING LANES	28	83	0	111	2.25
BACKING	65	18	1	84	1.70
SWERVING	12	40	3	55	1.11
MAKING U TURN	9	36	0	45	0.91
STARTING FROM PARKED POSITION	13	29	0	42	0.85
STARTING IN TRAFFIC	9	30	0	39	0.79
AVOIDING OBJECT ON ROAD	5	14	0	19	0.39
MERGING	4	10	0	14	0.28
PARKED ILLEGALLY	5	2	0	7	0.14
YAW	1	6	0	7	0.14
ENTERING PARKED POSITION	4	1	0	5	0.10
SPINNING	0	4	0	4	0.08
JACK-KNIFING	0	1	0	1	0.02
OTHER	13	49	0	62	1.25
UNKNOWN	58	52	0	110	2.23
TOTAL	1,302	3,522	118	4,942	100.00

NOTE: This table represents the pre-collision actions of all vehicles involved in the accidents.

1987 MOTORCYCLE ACCIDENTS

ACCIDENT LOCATION BY ACCIDENT TYPE

ACCIDENT LOCATION	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
AT INTERSECTION	265	879	28	1,172	42.54
BETWEEN INTERSECTIONS	240	762	28	1,030	37.39
ROAD/DRIVEWAY INTERSECTION	48	187	4	239	8.67
PARKING LOT	65	28	0	93	3.38
BRIDGE	9	35	3	47	1.71
OFF HIGHWAY	3	36	0	39	1.42
ENTRANCE RAMP	5	10	1	16	0.58
EXIT RAMP	3	10	0	13	0.47
INDUSTRIAL ROAD	1	9	1	11	0.40
EXIT INTERSECTION	4	3	0	7	0.25
RAILROAD CROSSING	0	6	1	7	0.25
TUNNEL	1	3	0	4	0.14
ENTRANCE INTERSECTION	0	4	0	4	0.14
FERRY OR DOCK	1	0	0	1	0.04
OTHER	3	8	1	12	0.44
UNKNOWN	22	38	0	60	2.18
TOTAL	670	2,018	67	2,755	100.00

1987 MOTORCYCLE ACCIDENTS

ROADWAY SURFACE CONDITION BY ACCIDENT TYPE

SURFACE CONDITION	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
DRY	563	1,767	60	2,390	86.75
WET	90	225	7	322	11.69
ICY	5	4	0	9	0.33
SNOW	2	1	0	3	0.11
MUDDY	0	1	0	1	0.04
OTHER	1	11	0	12	0.43
UNKNOWN	9	9	0	18	0.65
TOTAL	670	2,018	67	2,755	100.00

1987 MOTORCYCLE ACCIDENTS

LIGHTING CONDITION EY ACCIDENT TYPE

LIGHTING CONDITION	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
DAYLIGHT	470	1,411	41	1,922	69.76
DARK/SOME ILLUMINATION	76	241	10	327	11.87
DARK/FULL ILLUMINATION	67	137	9	213	7.73
DARK/NO ILLUMINATION	27	104	6	137	4.97
DUSK	16	96	1	113	4.10
DAWN	4	19	0	23	0.84
OTHER	1	0	0	1	0.04
UNKNOWN	9	10	0	19	0.69
TOTAL	670	2,018	67	2,755	100.00

1987 MOTORCYCLE ACCIDENTS

12.8

WEATHER CONDITION BY ACCIDENT TYPE

WEATHER CONDITION	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
CLEAR	474	1,420	50	1,944	70.56
CLOUDY	134	469	14	617	22.40
RAIN	45	112	3	160	5.81
FOG	3	3	0	6	.22
STRONG WIND	0	2	0	2	.07
UNKNOWN	14	12	0	26	.94
TOTAL	670	2,018	67	2,755	100.00

1987 MOTORCYCLE ACCIDENTS

ACCIDENT HOUR BY ACCIDENT TYPE

ACCIDENT HOUR	ACCIDENT TYPE: PROPERTY DAMAGE	ACCIDENT TYPE: PERSONAL INJURY	ACCIDENT TYPE: FATAL	TOTAL ACCIDENTS	PERCENT OF TOTAL
Mid. - 1 am	18	50	1	69	2.51
1 am - 2 am	17	47	1	65	2.36
2 am - 3 am	17	36	6	59	2.14
3 am - 4 am	4	22	0	26	0.94
4 am - 5 am	3	12	0	15	0.55
5 am - 6 am	2	8	0	10	0.36
6 am - 7 am	5	27	0	32	1.16
7 am - 8 am	17	44	1	62	2.25
8 am - 9 am	23	57	0	80	2.90
9 am - 10 am	14	48	2	64	2.32
10 am - 11 am	24	67	0	91	3.30
11 am - Noon	25	79	3	107	3.88
Noon - 1 pm	43	103	1	147	5.34
1 pm - 2 pm	48	111	4	163	5.92
2 pm - 3 pm	45	101	4	150	5.45
3 pm - 4 pm	52	183	3	238	8.64
4 pm - 5 pm	57	208	4	269	9.76
5 pm - 6 pm	48	172	7	227	8.24
6 pm - 7 pm	50	127	8	185	6.72
7 pm - 8 pm	40	127	5	172	6.24
8 pm - 9 pm	19	116	2	137	4.97
9 pm - 10 pm	22	101	3	126	4.57
10 pm - 11 pm	21	78	4	103	3.74
11 pm - Mid.	23	63	7	93	3.38
UNKNOWN	33	31	1	65	2.36
TOTAL	670	2,018	67	2,755	100.00

fig. 33

MOTORCYCLES IN FATAL ACCIDENTS

PER 10,000 LICENCED MOTORCYCLES

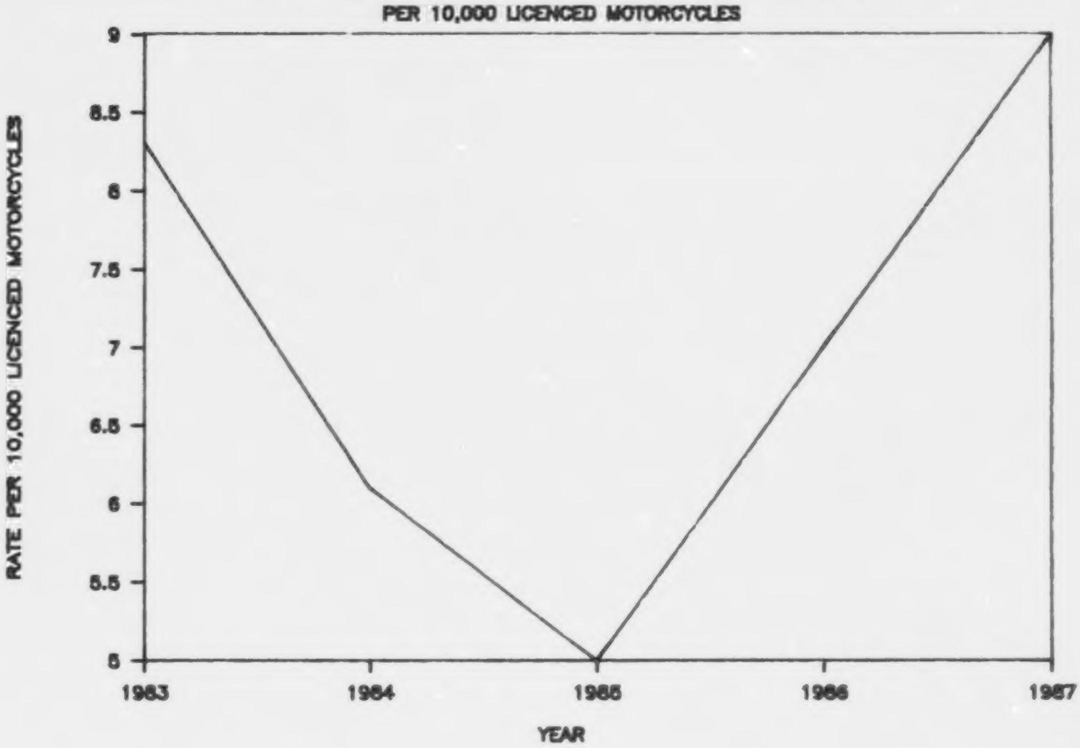


fig. 34

MOTORCYCLES IN INJURY ACCIDENTS

PER 10,000 LICENCED MOTORCYCLES

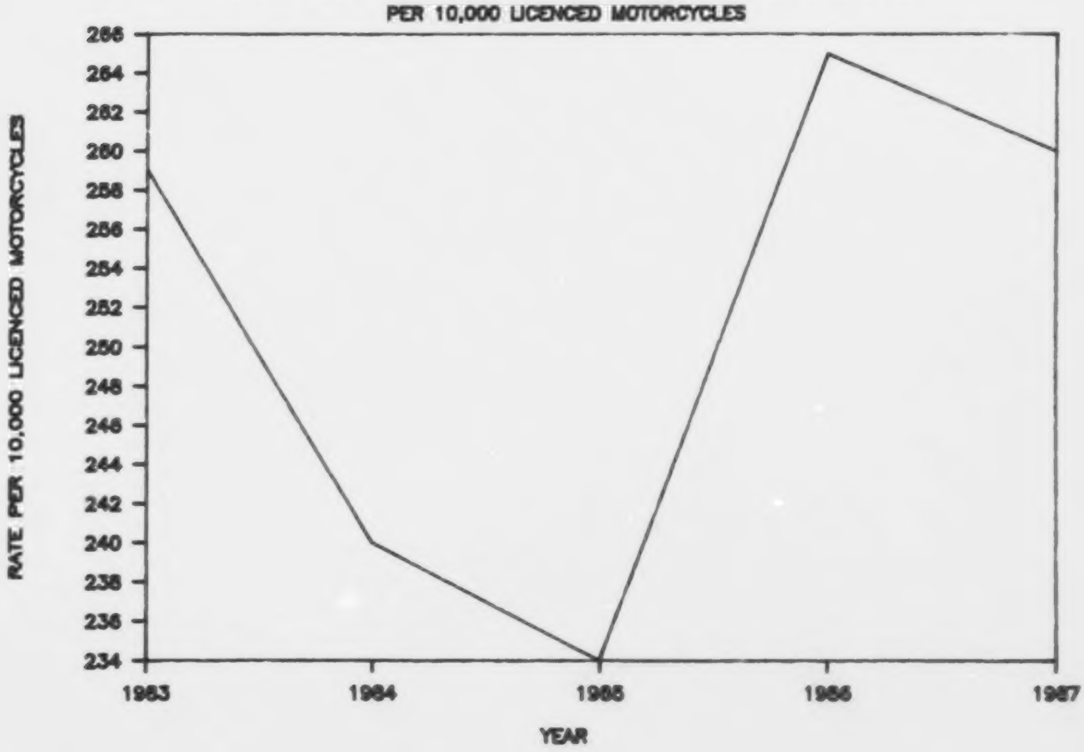


fig. 35

MOTORCYCLES IN PROPERTY DAMAGE ACC.

PER 10,000 LICENCED MOTORCYCLES

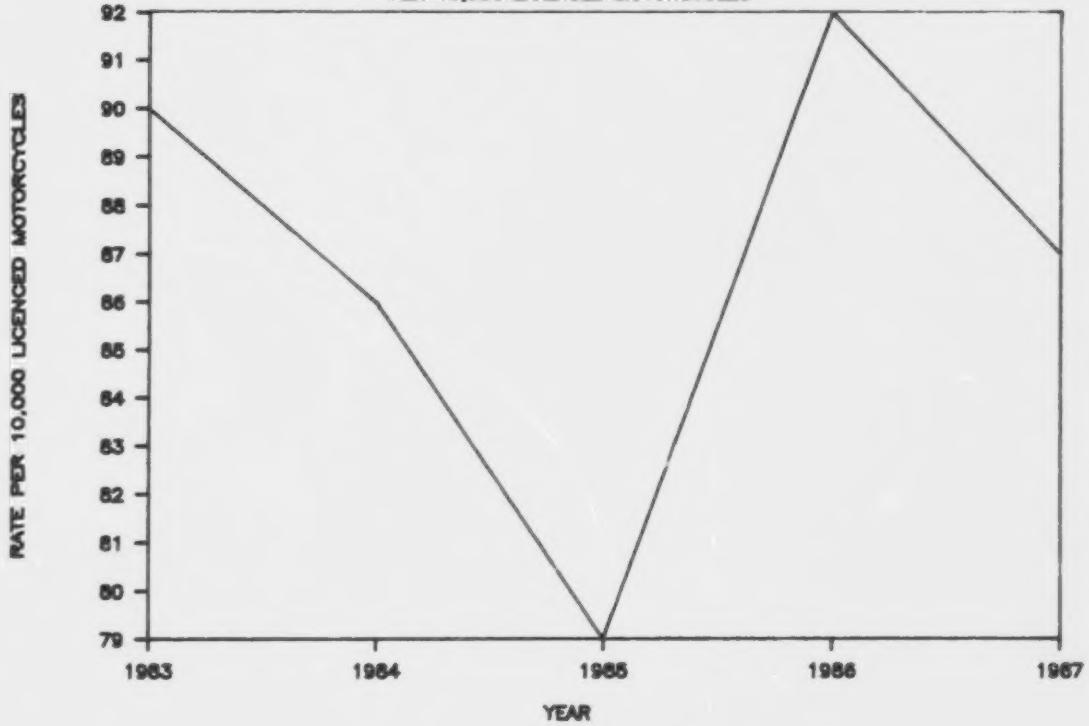
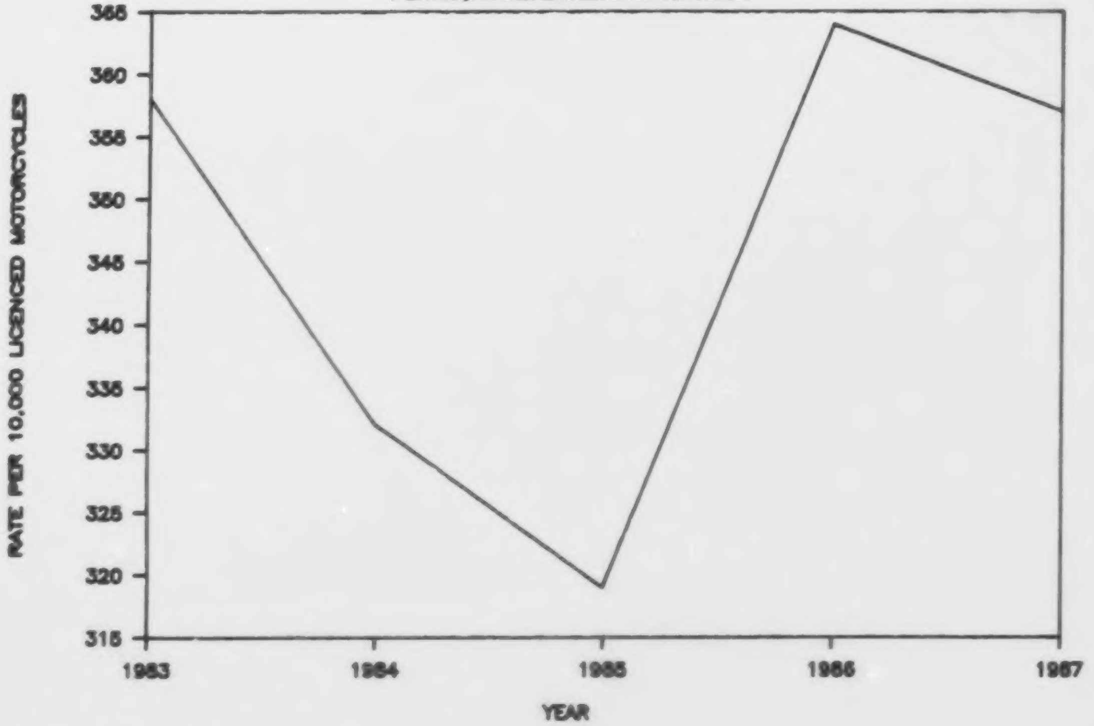


fig. 36

MOTORCYCLES IN ALL ACCIDENTS

PER 10,000 LICENCED MOTORCYCLES



1987 MOTORCYCLE ACCIDENTS

DRIVER AGE BY ACCIDENT TYPE

- ALL DRIVERS/VEHICLES INVOLVED -

DRIVER AGE	ACCIDENT TYPE			TOTAL DRIVERS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
1 - 5	0	0	0	0	0.00
6 - 10	0	6	0	6	0.12
11 - 15	3	28	2	33	0.67
16	13	58	5	76	1.54
17	30	128	3	161	3.26
18	50	175	3	228	4.61
19	54	191	8	253	5.12
20	52	193	2	247	5.00
21 - 25	245	762	27	1,034	20.92
26 - 30	153	480	12	645	13.05
31 - 35	115	366	19	500	10.12
36 - 40	79	285	11	375	7.59
41 - 45	40	170	6	216	4.37
46 - 50	31	116	2	149	3.01
51 - 55	19	95	4	118	2.39
56 - 60	23	82	3	108	2.19
61 - 65	17	79	3	99	2.00
66 - 70	14	57	3	74	1.50
71 - 75	10	37	0	47	0.95
76 - 80	6	16	3	25	0.51
81 - 85	2	13	0	15	0.30
86 - 90	0	3	0	3	0.06
OVER 95	0	1	0	1	0.02
UNKNOWN	346	181	2	529	10.70
TOTAL	1,302	3,522	118	4,942	100.00

1987 MOTORCYCLE ACCIDENTS

DRIVER AGE BY ACCIDENT TYPE

- MOTORCYCLE DRIVERS/VEHICLES ONLY -

DRIVER AGE	ACCIDENT TYPE			TOTAL DRIVERS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
1 - 5	0	0	0	0	0.00
6 - 10	0	2	0	2	0.07
11 - 15	3	23	2	28	1.05
16	9	41	3	53	1.99
17	19	80	2	101	3.80
18	30	118	0	148	5.56
19	31	139	5	175	6.58
20	32	144	2	178	6.69
21 - 25	172	571	19	762	28.65
26 - 30	90	320	10	420	15.79
31 - 35	49	235	13	297	11.17
36 - 40	27	155	6	188	7.07
41 - 45	9	65	4	78	2.93
46 - 50	9	38	2	49	1.84
51 - 55	5	30	1	36	1.35
56 - 60	3	24	1	28	1.05
61 - 65	2	14	0	16	0.60
66 - 70	2	10	0	12	0.45
71 - 75	0	2	0	2	0.08
76 - 80	0	1	0	1	0.04
81 - 85	0	0	0	0	0.00
86 - 90	0	0	0	0	0.00
OVER 95	0	1	0	1	0.04
UNKNOWN	51	34	0	85	3.20
TOTAL	543	2,047	70	2,660	100.00

1987 MOTORCYCLE ACCIDENTS

HELMET USAGE BY MOTORCYCLE DRIVERS AND PASSENGERS

SAFETY EQUIPMENT	DRIVERS NOT INJURED	PASSENGERS NOT INJURED	TOTAL NOT INJURED	PERCENT OF TOTAL
HELMET	233	41	274	29.95
NO HELMET	19	5	24	2.62
UNKNOWN	436	181	617	67.43
TOTAL	688	227	915	100.00

SAFETY EQUIPMENT	DRIVERS INJURED	PASSENGERS INJURED	TOTAL INJURED	PERCENT OF TOTAL
HELMET	1,008	166	1,174	52.60
NO HELMET	124	31	155	6.94
UNKNOWN	780	123	903	40.46
TOTAL	1,912	320	2,232	100.00

SAFETY EQUIPMENT	DRIVERS KILLED	PASSENGERS KILLED	TOTAL KILLED	PERCENT OF TOTAL
HELMET	51	4	55	85.94
NO HELMET	8	0	8	12.50
UNKNOWN	1	0	1	1.56
TOTAL	60	4	64	100.00

MOTORCYCLISTS INVOLVED IN 1987 ACCIDENTS

fig. 37

1987 MOTORCYCLE ACCIDENTS

MOTORCYCLE DRIVERS AND PASSENGERS INJURED AND KILLED
BY HELMET USAGE AND LOCATION OF INJURY

SAFETY EQUIPMENT	INJURY LOCATION	DRIVERS INJURED	PASSENGERS INJURED	TOTAL INJURED	DRIVERS KILLED	PASSENGERS KILLED	TOTAL KILLED
HELMET	Abdomen-Pelvis	24	12	36	0	0	0
	Back	60	11	71	1	0	1
	Chest	26	5	31	8	0	8
	Elbow-Lower Arm-Hand	144	16	160	0	0	0
	Entire Body	58	12	70	8	0	8
	Eye	3	0	3	0	0	0
	Face/Nose	19	5	24	0	0	0
	Head	62	16	78	28	3	31
	Hip-Upper Leg	115	21	136	1	0	1
	Knee-Lower Leg-Foot	343	51	394	3	1	4
	Neck	25	7	32	2	0	2
	Shoulder-Upper Arm	111	9	120	0	0	0
	Unknown	18	1	19	0	0	0
SUBTOTAL		1,008	166	1,174	51	4	55
NO HELMET	Abdomen-Pelvis	6	2	8	1	0	1
	Back	8	4	12	0	0	0
	Chest	3	0	3	1	0	1
	Elbow-Lower Arm-Hand	12	4	16	0	0	0
	Entire Body	8	4	12	0	0	0
	Face/Nose	3	1	4	0	0	0
	Head	22	7	29	6	0	6
	Hip-Upper Leg	10	2	12	0	0	0
	Knee-Lower Leg-Foot	39	7	46	0	0	0
	Neck	6	0	6	0	0	0
	Shoulder-Upper Arm	5	0	5	0	0	0
	Unknown	2	0	2	0	0	0
SUBTOTAL		124	31	155	8	0	8
UNKNOWN	Abdomen-Pelvis	19	4	23	0	0	0
	Back	45	11	56	0	0	0
	Chest	23	6	29	1	0	1
	Elbow-Lower Arm-Hand	117	15	132	0	0	0
	Entire Body	51	6	57	0	0	0
	Eye	3	0	3	0	0	0
	Face/Nose	27	3	30	0	0	0
	Head	48	5	53	0	0	0
	Hip-Upper Leg	76	15	91	0	0	0
	Knee-Lower Leg-Foot	256	41	297	0	0	0
	Neck	28	5	33	0	0	0
	Shoulder-Upper Arm	69	10	79	0	0	0
	Unknown	18	2	20	0	0	0
SUBTOTAL		780	123	903	1	0	1
TOTAL		1,912	320	2,232	60	4	64

1987 MOTORCYCLE ACCIDENTS

MAJOR CONTRIBUTING FACTORS BY MOTORCYCLE DRIVER'S AGE

CONTRIBUTING FACTORS	DRIVER AGE														TOTAL FACTORS	PERCENT OF TOTAL
	UNDER 16	16	17	18	19	20	21-25	26-30	31-40	41-50	51-60	61-70	OVER 70	UNKNOWN		
DRIVING WITHOUT DUE CARE	17	10	21	29	33	28	113	64	63	28	19	21	10	27	483	18.02
FAILING TO YIELD RIGHT OF WAY	2	5	16	18	18	16	70	41	81	60	32	36	41	13	449	16.73
ALCOHOL INVOLVEMENT	1	0	10	4	8	18	71	41	70	12	6	1	2	8	252	9.39
DRIVING AT UNSAFE SPEED	1	4	9	16	22	14	83	25	28	6	0	0	0	4	212	7.90
DRIVER INEXPERIENCE	9	14	12	16	20	15	41	15	23	9	3	2	0	0	179	6.67
FOLLOWING TOO CLOSELY	0	2	0	9	13	9	37	11	22	7	5	1	1	3	120	4.47
IMPROPER PASSING	0	2	3	11	7	3	20	11	21	4	3	1	0	4	90	3.35
IMPROPER TURNING	0	1	4	9	6	4	13	8	9	7	5	10	4	1	81	3.02
CUTTING IN	0	1	3	2	2	1	12	8	11	6	3	3	0	6	58	2.16
IGNORING TRAFFIC CONTROL DEVICE	0	3	5	7	3	2	9	7	6	2	3	4	1	4	56	2.09
OBSTRUCTION/DEBRIS ON ROAD	0	1	0	1	5	3	12	12	9	2	0	1	0	0	46	1.71
BACKING UNSAFELY	0	0	5	1	1	1	2	5	10	3	3	4	2	6	43	1.60
WEATHER	0	0	1	4	3	4	10	6	5	4	1	1	0	3	42	1.57
WILD ANIMAL	0	0	2	0	2	5	8	9	8	2	1	2	1	0	40	1.49
VISIBILITY IMPAIRED	0	1	1	2	2	3	5	5	9	4	3	0	0	1	36	1.34
DOMESTIC ANIMAL	0	1	3	1	1	1	7	7	5	2	0	1	0	0	29	1.08
DRIVING ON WRONG SIDE OF ROAD	2	0	0	1	0	2	7	2	4	3	0	1	1	5	28	1.04
PAVEMENT CONDITION	0	0	0	1	2	1	6	2	5	4	2	0	0	1	24	0.90
FAILING TO SIGNAL	0	1	1	0	0	2	3	2	4	3	3	1	1	1	22	0.82
ROAD MAINTENANCE/ CONSTRUCTION	0	0	1	1	0	1	7	4	2	2	0	2	0	1	21	0.78
OTHER	5	7	9	17	19	19	66	56	70	32	23	17	8	24	372	13.87
TOTAL	37	53	106	150	167	152	602	341	465	202	115	109	72	112	2,683	100.00

NOTE: OTHER includes those factors with less than 20 occurrences, as well as those unspecified factors not recorded in reports 3.1 to 3.5

1987 MOTORCYCLE ACCIDENTS

MAJOR CONTRIBUTING FACTORS IN FATAL ACCIDENTS BY MOTORCYCLE DRIVER'S AGE

CONTRIBUTING FACTORS	DRIVER AGE														TOTAL FACTORS	PERCENT OF TOTAL
	UNDER 16	16	17	18	19	20	21-25	26-30	30-40	41-50	51-60	61-70	OVER 70	UNKNOWN		
ALCOHOL INVOLVEMENT	0	0	1	0	0	0	4	6	7	1	2	0	0	0	21	28.00
DRIVING AT UNSAFE SPEED	1	0	0	0	3	0	6	1	1	2	0	0	0	0	14	18.67
DRIVING WITHOUT DUE CARE	0	1	1	0	0	2	2	0	3	0	0	1	0	0	10	13.34
FAILING TO YIELD RIGHT OF WAY	0	0	0	2	0	0	0	1	2	0	0	1	2	0	8	10.67
DRIVER INEXPERIENCE	1	0	0	0	0	0	1	2	2	0	0	0	0	0	6	8.00
DRIVING ON WRONG SIDE OF ROAD	0	0	0	0	0	0	0	0	1	0	0	0	1	0	2	2.67
FOLLOWING TOO CLOSELY	0	0	0	0	0	0	1	0	1	0	0	0	0	0	2	2.67
DOMESTIC ANIMAL	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1.33
DRUGS (ILLEGAL)	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1.33
FAILING TO SIGNAL	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1.33
IGNORING TRAFFIC CONTROL DEVICE	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1.33
IMPROPER PASSING	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1.33
DEFECTIVE TIRES	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1.33
IMPROPER TURNING	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1.33
OTHER	0	0	0	0	0	0	0	1	0	1	2	1	0	0	5	6.67
TOTAL	2	3	3	2	3	2	15	11	19	5	4	3	3	0	75	100.00

1987 MOTORCYCLE ACCIDENTS

MAJOR CONTRIBUTING FACTORS IN PERSONAL INJURY ACCIDENTS
BY MOTORCYCLE DRIVER'S AGE

CONTRIBUTING FACTORS	DRIVER AGE														TOTAL FACTORS	PERCENT OF TOTAL
	UNDER 16	16	17	18	19	20	21-25	26-30	31-40	41-50	51-60	61-70	OVER 70	UNKNOWN		
DRIVING WITHOUT DUE CARE	15	6	16	24	28	23	92	55	49	24	15	14	10	16	387	18.43
FAILING TO YIELD RIGHT OF WAY	2	3	13	13	16	15	57	31	57	53	29	30	32	10	361	17.19
ALCOHOL INVOLVEMENT	1	0	8	4	8	17	55	31	47	9	4	1	2	3	190	9.05
UNSAFE SPEED	0	4	8	15	16	13	69	21	24	3	0	0	0	1	174	8.28
DRIVER INEXPERIENCE	7	12	11	16	17	14	34	10	20	9	3	2	0	0	155	7.38
FOLLOWING TOO CLOSELY	0	0	0	7	10	8	29	10	16	5	5	1	1	2	94	4.48
IMPROPER PASSING	0	2	2	10	5	1	11	8	16	4	3	1	0	2	65	3.09
IMPROPER TURNING	0	1	3	7	5	3	10	7	7	4	3	8	2	1	61	2.90
CUTTING IN	0	1	3	2	2	1	11	8	11	6	2	3	0	6	56	2.67
IGNORING TRAFFIC CONTROL DEVICE	0	2	5	6	3	2	7	7	6	2	1	4	1	3	49	2.33
OBSTRUCTION/DEBRIS ON ROAD	0	1	0	0	3	3	9	10	7	1	0	1	0	0	35	1.67
WILD ANIMAL	0	0	2	0	1	4	8	5	6	2	1	2	1	0	32	1.52
VISIBILITY IMPAIRED	0	1	1	1	2	3	4	4	8	4	2	0	0	1	31	1.48
WEATHER	0	0	1	2	2	3	7	3	3	3	1	1	0	0	26	1.24
DRIVING ON WRONG SIDE OF ROAD	2	0	0	1	0	2	6	2	3	3	0	1	0	4	24	1.14
DOMESTIC ANIMAL	0	0	2	1	1	0	5	6	4	2	0	1	0	0	22	1.05
OTHER	2	6	6	13	19	18	64	53	64	32	22	15	6	18	338	16.10
TOTAL	29	39	81	122	138	130	478	271	348	166	91	85	55	67	2,100	100.00

NOTE: "OTHER" includes factors with less than 20 occurrences.

1987 MOTORCYCLE ACCIDENTS

MAJOR CONTRIBUTING FACTORS IN PROPERTY DAMAGE ACCIDENTS BY MOTORCYCLE DRIVER'S AGE

CONTRIBUTING FACTORS	DRIVER AGE														TOTAL FACTORS	PERCENT OF TOTAL
	UNDER 16	16	17	18	19	20	21-25	26-30	31-40	41-50	51-60	61-70	OVER 70	UNKNOWN		
DRIVING WITHOUT DUE CARE	2	3	4	5	5	3	19	9	11	4	4	6	0	11	86	17.37
FAILING TO YIELD RIGHT OF WAY	0	2	3	3	2	1	13	9	22	7	3	4	7	3	79	15.96
ALCOHOL INVOLVEMENT	0	0	1	0	0	1	11	3	16	2	0	0	0	5	39	7.88
BACKING UNSAFELY	0	0	2	1	0	1	2	4	9	2	3	4	2	5	35	7.07
IMPROPER PASSING	0	0	1	1	2	2	9	3	4	0	0	0	0	2	24	4.85
DRIVING AT UNSAFE SPEED	0	0	1	1	3	1	8	3	3	1	0	0	0	3	24	4.85
FOLLOWING TOO CLOSELY	0	2	0	2	3	1	7	1	5	2	0	0	0	1	24	4.85
IMPROPER TURNING	0	0	1	2	1	1	2	1	2	3	2	2	2	0	19	3.84
DRIVER INEXPERIENCE	1	2	1	0	3	1	6	3	1	0	0	0	0	0	18	3.64
WEATHER	0	0	0	2	1	1	3	3	2	1	0	0	0	3	16	3.23
OBSTRUCTION/DEBRIS ON ROAD	0	0	0	1	2	0	3	2	2	1	0	0	0	0	11	2.22
WILD ANIMAL	0	0	0	0	1	1	0	4	2	0	0	0	0	0	8	1.62
ROAD MAINTENANCE/ CONSTRUCTION	0	0	1	1	0	1	2	1	0	1	0	0	0	0	7	1.41
DOMESTIC ANIMAL	0	0	1	0	0	1	2	1	1	0	0	0	0	0	6	1.21
IGNORING TRAFFIC CONTROL DEVICE	0	0	0	1	0	0	2	0	0	0	2	0	0	1	6	1.21
PAVEMENT CONDITION	0	0	0	0	2	0	0	1	1	1	0	0	0	0	5	1.01
VISIBILITY IMPAIRED	0	0	0	1	0	0	1	1	1	0	1	0	0	0	5	1.01
OTHER	0	2	6	5	1	4	18	9	15	6	4	2	1	10	83	16.77
TOTAL	3	11	22	26	26	20	108	58	97	31	19	18	12	44	495	100.00

NOTE: "OTHER" includes factors with less than 5 occurrences.

1987 ALCOHOL RELATED MOTORCYCLE ACCIDENTS
VICTIMS INJURED & KILLED BY VICTIM AGE

- VICTIMS IN DRINKING DRIVER'S VEHICLE ONLY -

VICTIM AGE	DRIVER		PASSENGER		BICYLIST		PEDESTRIAN		MOTORCYCLE DRIVER		MOTORCYCLE PASSENGER		UNKNOWN/ OTHER		TOTAL VICTIMS	
	INJ	KLD	INJ	KLD	INJ	KLD	INJ	KLD	INJ	KLD	INJ	KLD	INJ	KDL	INJ	KLD
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 - 10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 - 15	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
18	1	0	0	0	0	0	0	0	5	0	0	0	0	0	6	0
19	0	0	0	0	0	0	0	0	3	0	0	0	0	0	3	0
20	0	0	0	0	0	0	0	0	4	0	0	0	0	0	4	0
21 - 25	2	0	1	0	0	0	0	0	13	0	0	0	0	0	16	0
26 - 30	0	0	0	0	0	0	0	0	41	3	0	0	0	0	41	3
31 - 35	1	0	0	0	0	0	0	0	20	3	0	0	0	0	21	3
36 - 40	1	0	0	0	0	0	0	0	27	1	0	0	0	0	28	1
41 - 45	0	0	0	0	0	0	0	0	6	3	0	0	0	0	6	3
46 - 50	0	0	0	0	0	0	0	0	2	1	0	0	0	0	2	1
51 - 55	1	0	0	0	0	0	0	0	3	0	0	0	0	0	4	0
56 - 60	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
61 - 65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 - 70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 - 75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76 - 80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81 - 85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OVER 85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	7	0	1	0	0	0	0	0	126	12	0	0	0	0	134	12

NOTE: PASSENGER includes those persons "hanging on" to a vehicle. BICYCLIST includes both drivers and passengers on a bicycle.

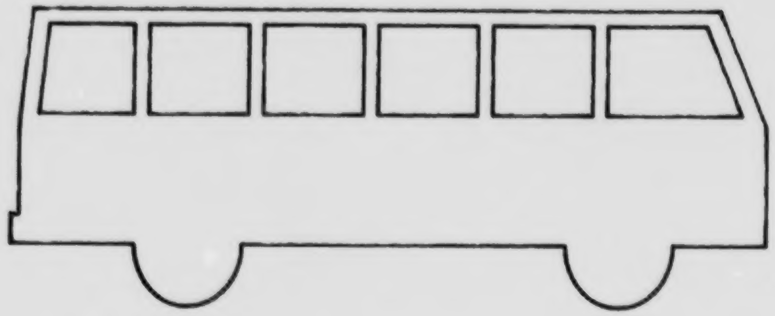
1987 ALCOHOL RELATED MOTORCYCLE ACCIDENTS
VICTIMS INJURED & KILLED BY VICTIM AGE

- VICTIMS NOT IN DRINKING DRIVER'S VEHICLE ONLY -

VICTIM AGE	DRIVER		PASSENGER		BICYLIST		PEDESTRIAN		MOTORCYCLE DRIVER		MOTORCYCLE PASSENGER		UNKNOWN/ OTHER		TOTAL VICTIMS	
	INJ	KLD	INJ	KLD	INJ	KLD	INJ	KLD	INJ	KLD	INJ	KLD	INJ	KLD	INJ	KLD
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 - 10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 - 15	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
19	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
20	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
21 - 25	0	0	0	0	0	0	0	0	5	0	0	0	0	0	5	0
26 - 30	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
31 - 35	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
36 - 40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 - 45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 - 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 - 55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 - 60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 - 65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 - 70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 - 75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76 - 80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81 - 85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OVER 95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	2	0	0	0	0	0	0	0	9	0	0	0	0	0	11	0

NOTE: PASSENGER includes those persons "hanging on" to a vehicle. BICYCLIST includes both drivers and passengers on a bicycle

SECTION 13



SCHOOL BUS ACCIDENTS

1987 SCHOOL BUS ACCIDENTS

A school bus is defined, for the purpose of these reports, as a motor vehicle used to convey children to or from school. Generally, these are the traditional yellow and black school buses.

A total of 147 accidents occurring in 1987 involved school buses. Thirty-four accidents resulted in injuries to 74 people, 42 of whom were school bus occupants. One person was killed in a fatal accident occurring in Ladysmith. The fatal victim was not a school bus occupant.

The major contributing factors to school bus accidents were driving without due care, backing unsafely and following too closely.

1987 SCHOOL BUS ACCIDENTS

MAJOR CONTRIBUTING FACTORS BY ACCIDENT TYPE

- ALL DRIVERS/VEHICLES INVOLVED -

CONTRIBUTING FACTORS	ACCIDENT TYPE PROPERTY DAMAGE	PERSONAL INJURY	FATAL	TOTAL FACTORS	PERCENT OF TOTAL
FAILING TO YIELD RIGHT OF WAY	14	5	0	19	14.08
DRIVING WITHOUT DUE CARE	12	6	0	18	13.33
BACKING UNSAFELY	13	0	0	13	9.63
WEATHER CONDITION	7	5	0	12	8.89
DRIVING AT UNSAFE SPEED	6	5	0	11	8.15
FOLLOWING TOO CLOSELY	5	4	0	9	6.67
ALCOHOL INVOLVEMENT	4	1	0	5	3.71
DRIVER INEXPERIENCE	4	1	0	5	3.71
CUTTING IN	3	1	0	4	2.96
IMPROPER TURNING	3	1	0	4	2.96
DRIVERLESS VEHICLE	2	1	0	3	2.22
DRIVING ON WRONG SIDE OF ROAD	2	0	0	2	1.48
IGNORING TRAFFIC CONTROL DEVICE	0	2	0	2	1.48
IMPROPER PASSING	2	0	0	2	1.48
VISIBILITY IMPAIRED	1	1	0	2	1.48
WILD ANIMAL	2	0	0	2	1.48
DEFECTIVE ACCELERATOR	1	0	0	1	.74
DEFECTIVE BRAKES	0	1	0	1	.74
EXTREME FATIGUE	0	1	0	1	.74
OVERSIZE VEHICLE	1	0	0	1	.74
PEDESTRIAN ERROR/CONFUSION	0	1	0	1	.74
(RESULT OF) DIRECTLY PRECEDING ACCIDENT	0	1	0	1	.74
DEFECTIVE STEERING	1	0	0	1	.74
SUNLIGHT GLARE	0	1	0	1	.74
OTHER	8	6	0	14	10.37
TOTAL	91	44	0	135	100

1987 SCHOOL BUS ACCIDENTS

MAJOR CONTRIBUTING FACTORS BY ACCIDENT TYPE

- SCHOOL BUS DRIVERS/VEHICLES ONLY -

CONTRIBUTING FACTORS	ACCIDENT TYPE			TOTAL FACTORS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
BACKING UNSAFELY	10	0	0	10	16.95
FAILING TO YIELD RIGHT OF WAY	5	4	0	9	15.26
FOLLOWING TOO CLOSELY	5	2	0	7	11.87
WEATHER CONDITION	4	1	0	5	8.48
IMPROPER TURNING	3	1	0	4	6.78
DRIVERLESS VEHICLE	2	1	0	3	5.09
DRIVING WITHOUT DUE CARE	2	1	0	3	5.09
DRIVER INEXPERIENCE	2	0	0	2	3.39
VISIBILITY IMPAIRED	1	1	0	2	3.39
WILD ANIMAL	2	0	0	2	3.39
DEFECTIVE BRAKES	0	1	0	1	1.69
DRIVING AT UNSAFE SPEED	0	1	0	1	1.69
IMPROPER PASSING	1	0	0	1	1.69
OVERSIZE VEHICLE	1	0	0	1	1.69
PEDESTRIAN ERROR/CONFUSION	0	1	0	1	1.69
DEFECTIVE STEERING	1	0	0	1	1.69
OTHER	4	2	0	6	10.17
TOTAL	43	16	0	59	100.00

MCF'S IN 1987 SCHOOL BUS ACCIDENTS
-SCHOOL BUS DRIVERS/VEHICLES ONLY-

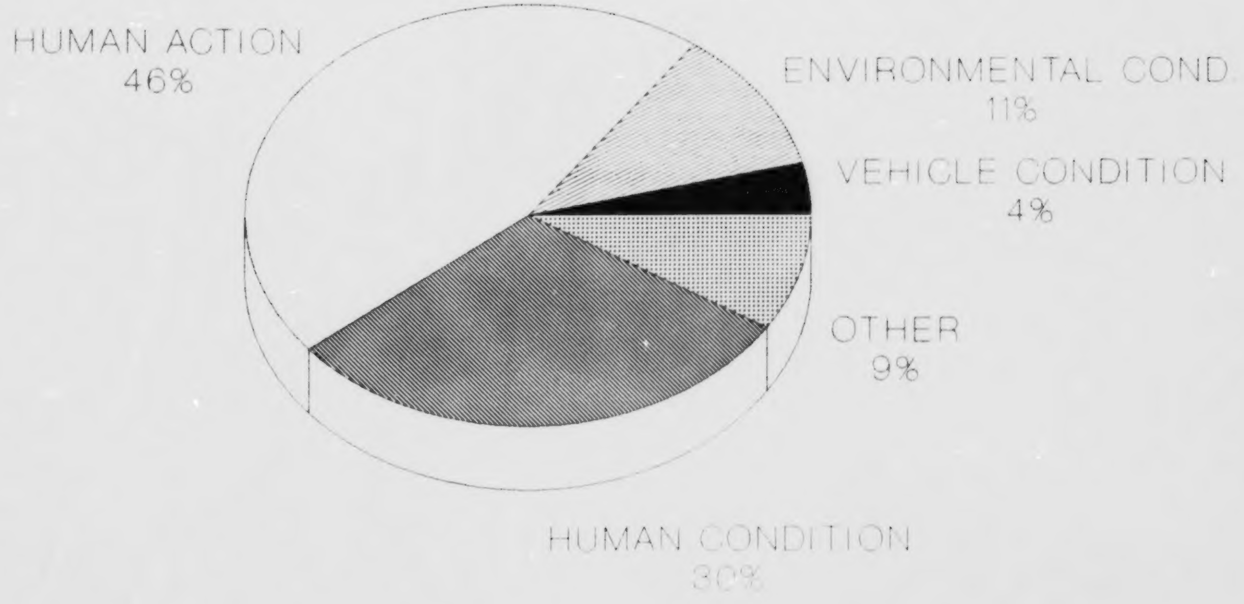


fig. 38

1987 SCHOOL BUS ACCIDENTS

MAJOR CONTRIBUTING FACTORS BY ACCIDENT TYPE

- OTHER DRIVERS/VEHICLES ONLY -

CONTRIBUTING FACTORS	ACCIDENT TYPE: PROPERTY DAMAGE	ACCIDENT TYPE: PERSONAL INJURY	ACCIDENT TYPE: FATAL	TOTAL FACTORS	PERCENT OF TOTAL
DRIVING WITHOUT DUE CARE	10	5	0	15	19.74
FAILING TO YIELD RIGHT OF WAY	9	1	0	10	13.16
DRIVING AT UNSAFE SPEED	6	4	0	10	13.16
WEATHER CONDITION	3	4	0	7	9.21
ALCOHOL INVOLVEMENT	4	1	0	5	6.58
CUTTING IN	3	1	0	4	5.26
DRIVER INEXPERIENCE	2	1	0	3	3.94
BACKING UNSAFELY	3	0	0	3	3.94
FOLLOWING TOO CLOSELY	0	2	0	2	2.63
DRIVING ON WRONG SIDE	2	0	0	2	2.63
IGNORING TRAFFIC CONTROL DEVICE	0	2	0	2	2.63
DEFECTIVE ACCELERATOR	1	0	0	1	1.32
IMPROPER PASSING	1	0	0	1	1.32
FATIGUE	0	1	0	1	1.32
(RESULT OF) DIRECTLY PRECEEDING ACCIDENT	0	1	0	1	1.32
SUNLIGHT GLARE	0	1	0	1	1.32
OTHER	4	4	0	8	10.52
TOTAL	43	16	0	59	100.00

MCF'S IN 1987 SCHOOL BUS ACCIDENTS
-OTHER DRIVERS/VEHICLES ONLY-

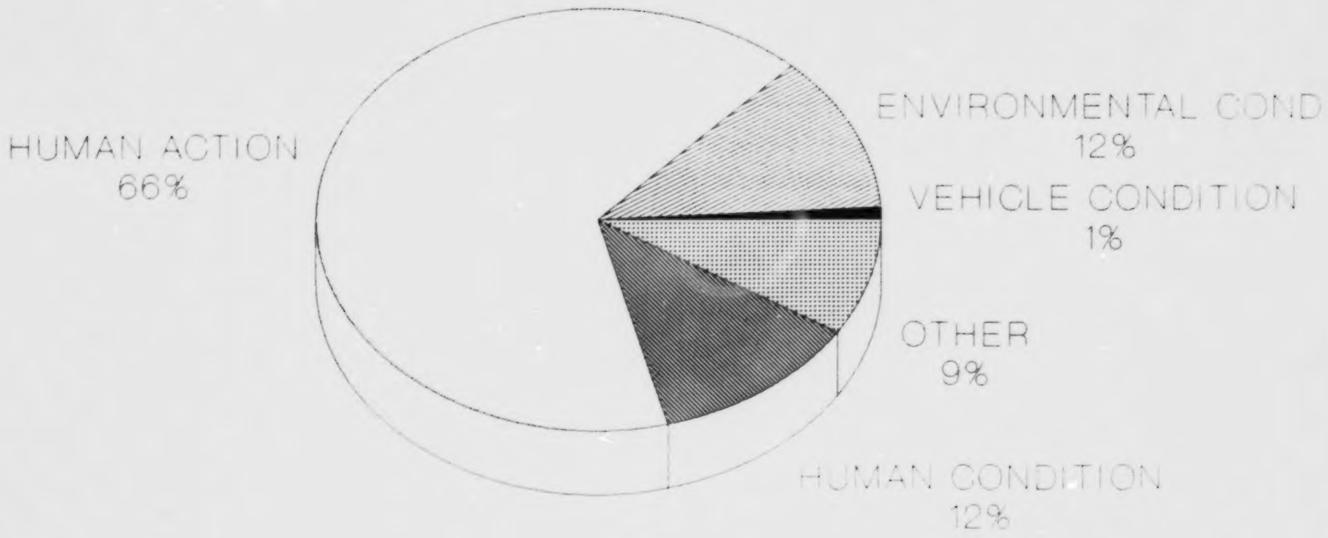


fig. 39

1987 SCHOOL BUS ACCIDENTS

PRIMARY ACCIDENT OCCURRENCE BY ACCIDENT TYPE

PRIMARY ACCIDENT OCCURRENCE	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
REAR END	17	8	0	25	17.01
OFF ROAD - RIGHT	12	4	0	16	10.89
RIGHT ANGLE COLLISION	12	4	0	16	10.89
HEAD ON	6	6	0	12	8.16
SIDE SWIPE	8	1	0	9	6.12
OVERTAKING	6	1	0	7	4.76
OFF ROAD - LEFT	2	2	0	4	2.72
BACKING	3	0	0	3	2.04
LEFT TURN - ACROSS ONCOMING TRAFFIC	1	1	0	2	1.36
LEFT TURN - HEAD ON	1	1	0	2	1.36
LEFT TURN - ONE WAY	1	0	0	1	0.68
ONE WAY STREET	1	0	0	1	0.68
RIGHT TURN - HEAD ON	1	0	0	1	0.68
RIGHT TURN - REAR END	1	0	0	1	0.68
OTHER	34	6	1	41	27.89
UNKNOWN	6	0	0	6	4.08
TOTAL	112	34	1	147	100.00

NOTE: The primary accident occurrence categories were modified for 1987 data, therefore comparison between 1987 and prior years is not recommended.

1987 SCHOOL BUS ACCIDENTS

PRE-COLLISION ACTION BY ACCIDENT TYPE

PRE-COLLISION ACTION	ACCIDENT TYPE PROPERTY DAMAGE	PERSONAL INJURY	FATAL	TOTAL ACTIONS	PERCENT OF TOTAL
GOING STRAIGHT AHEAD	80	38	1	119	40.89
STOPPED IN TRAFFIC	23	9	0	32	11.00
MAKING LEFT TURN	24	6	0	30	10.31
PARKED LEGALLY	26	1	0	27	9.28
BACKING	16	0	0	16	5.50
SLOWING OR STOPPING	9	4	0	13	4.47
SKIDDING	7	5	0	12	4.13
MAKING RIGHT TURN	6	2	0	8	2.75
CHANGING LANES	4	0	0	4	1.37
STARTING IN TRAFFIC	4	0	0	4	1.37
MERGING	3	0	0	3	1.03
STARTING FROM PARKED POSITION	2	1	0	3	1.03
OVERTAKING	2	0	0	2	0.69
SWERVING	1	1	0	2	0.69
AVOIDING OBJECT ON ROAD	0	1	0	1	0.34
ENTERING PARKED POSITION	1	0	0	1	0.34
PARKED ILLEGALLY	1	0	0	1	0.34
SPINNING	0	1	0	1	0.34
OTHER	5	0	0	7	2.41
UNKNOWN	7	0	0	5	1.72
TOTAL	221	69	1	291	100.00

NOTE: This table represents the pre-collision actions of all vehicles involved.

1987 SCHOOL BUS ACCIDENTS

ACCIDENT LOCATION BY ACCIDENT TYPE

ACCIDENT LOCATION	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
AT INTERSECTION	42	15	0	57	38.78
BETWEEN INTERSECTIONS	32	15	0	47	31.97
ROAD/DRIVEWAY INTERSECTION	12	3	0	15	10.21
PARKING LOT	12	0	0	12	8.16
OFF HIGHWAY	3	0	0	3	2.04
BRIDGE	1	1	0	2	1.36
INDUSTRIAL ROAD	2	0	0	2	1.36
EXIT INTERSECTION	1	0	0	1	0.68
EXIT RAMP	1	0	0	1	0.68
FERRY OR DOCK	1	0	0	1	0.68
RAILROAD CROSSING	1	0	0	1	0.68
OTHER	0	0	1	1	0.68
UNKNOWN	4	0	0	4	2.72
TOTAL	112	34	1	147	100.00

1987 SCHOOL BUS ACCIDENTS

ROADWAY SURFACE CONDITION BY ACCIDENT TYPE

SURFACE CONDITION	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
DRY	68	15	0	83	56.47
WET	30	13	1	44	29.93
ICY	8	1	0	9	6.12
SNOW	4	5	0	9	6.12
UNKNOWN	2	0	0	2	1.36
TOTAL	112	34	1	147	100.00

1987 SCHOOL BUS ACCIDENTS

LIGHTING CONDITION BY ACCIDENT TYPE

LIGHTING CONDITION	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
DAYLIGHT	88	29	0	117	79.60
DARK/FULL ILLUMINATION	6	1	0	7	4.76
DARK/SOME ILLUMINATION	5	2	0	7	4.76
DARK/NO ILLUMINATION	4	1	0	5	3.40
DUSK	3	1	1	5	3.40
DAWN	4	0	0	4	2.72
UNKNOWN	2	0	0	2	1.36
TOTAL	112	34	1	147	100.00

13.9

1987 SCHOOL BUS ACCIDENTS

WEATHER CONDITION BY ACCIDENT TYPE

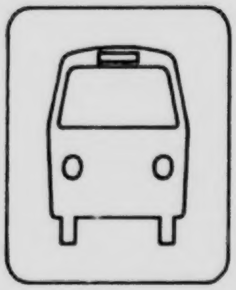
WEATHER CONDITION	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
CLEAR	60	14	0	74	50.34
CLOUDY	29	7	0	36	24.49
RAIN	17	9	1	27	18.37
SNOW/SLEET	5	4	0	9	6.12
UNKNOWN	1	0	0	1	0.68
TOTAL	112	34	1	147	100.00

1987 SCHOOL BUS ACCIDENTS

ACCIDENT HOUR BY ACCIDENT TYPE

ACCIDENT HOUR	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
Mid. - 1 am	0	0	0	0	0.00
1 am - 2 am	1	0	0	1	0.68
2 am - 3 am	1	0	0	1	0.68
3 am - 4 am	0	0	0	0	0.00
4 am - 5 am	0	0	0	0	0.00
5 am - 6 am	1	0	0	1	0.68
6 am - 7 am	1	1	0	2	1.36
7 am - 8 am	9	3	0	12	8.16
8 am - 9 am	18	3	0	21	14.29
9 am - 10 am	2	3	0	5	3.40
10 am - 11 am	2	0	0	2	1.36
11 am - Noon	6	1	0	7	4.76
Noon - 1 pm	5	1	0	6	4.08
1 pm - 2 pm	4	2	0	6	4.08
2 pm - 3 pm	12	4	0	16	10.89
3 pm - 4 pm	19	6	1	26	17.69
4 pm - 5 pm	11	3	0	14	9.53
5 pm - 6 pm	8	0	0	8	5.44
6 pm - 7 pm	3	1	0	4	2.72
7 pm - 8 pm	1	2	0	3	2.04
8 pm - 9 pm	1	2	0	3	2.04
9 pm - 10 pm	3	2	0	5	3.40
10 pm - 11 pm	1	0	0	1	0.68
11 pm - Mid.	2	0	0	2	1.36
UNKNOWN	1	0	0	1	0.68
TOTAL	112	34	1	147	100.00

SECTION 14



PUBLIC BUS ACCIDENTS

1987 PUBLIC BUS ACCIDENTS

For the purpose of this report, a public bus is defined as a motor vehicle designed to carry more than ten persons. This category excludes school buses (yellow and black) but does include buses chartered for school activities.

A total of 593 accidents involving public buses occurred in 1987. There were 323 persons injured and 1 person killed in 194 casualty-producing accidents. Of the 323 persons injured, 123 were bus occupants. The fatal victim was a pedestrian.

There was one serious public bus accident in 1987. It occurred in Keremeos and involved 35 injuries, all of whom were bus occupants.

The major contributing factors to public bus accidents were driving without due care, failing to yield the right of way and following too closely.

1987 PUBLIC BUS ACCIDENTS

MAJOR CONTRIBUTING FACTORS BY ACCIDENT TYPE

- ALL DRIVERS/VEHICLES INVOLVED -

CONTRIBUTING FACTORS	ACCIDENT TYPE			TOTAL FACTORS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
DRIVING WITHOUT DUE CARE	47	33	1	81	19.15
FAILING TO YIELD RIGHT OF WAY	25	16	0	41	9.69
FOLLOWING TOO CLOSELY	18	14	0	32	7.56
IGNORING TRAFFIC CONTROL DEVICE	10	13	0	23	5.44
CUTTING IN	13	9	0	22	5.20
WEATHER CONDITION	12	9	0	21	4.96
ALCOHOL INVOLVEMENT	9	11	0	20	4.73
BACKING UNSAFELY	19	0	0	19	4.49
IMPROPER TURNING	10	8	0	18	4.25
DRIVING AT UNSAFE SPEED	9	3	0	12	2.84
DRIVER INEXPERIENCE	6	3	0	9	2.13
DEFECTIVE BRAKES	3	4	0	7	1.65
IMPROPER PASSING	6	1	0	7	1.65
PEDESTRIAN ERROR/CONFUSION	0	7	0	7	1.65
DRIVING ON WRONG SIDE OF ROAD	1	4	0	5	1.18
(RESULT OF) DIRECTLY PRECEDING ACCIDENT	3	1	0	4	0.95
EXTREME FATIGUE	0	3	0	3	0.71
INSECURE LOAD	3	0	0	3	0.71
OBSTRUCTION/DEBRIS ON ROAD	3	0	0	3	0.71
ROAD MAINTENANCE/ CONSTRUCTION	2	1	0	3	0.71
VISIBILITY IMPAIRED	2	1	0	3	0.71
DOMESTIC ANIMAL	2	0	0	2	0.47
DEFECTIVE HEADLIGHTS	0	2	0	2	0.47
SUICIDE ATTEMPT	0	2	0	2	0.47
SUNLIGHT GLARE	1	1	0	2	0.47
AVOIDING VEH/PED/CYCLE	0	1	0	1	0.24
DEFECTIVE TIRES	1	0	0	1	0.24
DEFECTIVE ENGINE	0	1	0	1	0.24
FAILING TO SIGNAL	0	1	0	1	0.24
ILLNESS	1	0	0	1	0.24
OVERSIZE VEHICLE	1	0	0	1	0.24
ROADSIDE HAZARD	1	0	0	1	0.24
WILD ANIMAL	1	0	0	1	0.24
OTHER	36	28	0	64	15.13
TOTAL	245	177	1	423	100.00

1987 PUBLIC BUS ACCIDENTS

MAJOR CONTRIBUTING FACTORS BY ACCIDENT TYPE

- PUBLIC BUS DRIVERS/VEHICLES ONLY -

CONTRIBUTING FACTORS	ACCIDENT TYPE			TOTAL FACTORS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
DRIVING WITHOUT DUE CARE	11	10	1	22	16.30
BACKING UNSAFELY	17	0	0	17	12.60
FAILING TO YIELD RIGHT OF WAY	5	6	0	11	8.15
CUTTING IN	5	4	0	9	6.67
FOLLOWING TOO CLOSELY	1	6	0	7	5.19
IMPROPER TURNING	5	1	0	6	4.45
DEFECTIVE BRAKES	3	2	0	5	3.70
DRIVING AT UNSAFE SPEED	4	1	0	5	3.70
WEATHER CONDITION	3	2	0	5	3.70
IMPROPER PASSING	2	1	0	3	2.22
DOMESTIC ANIMAL	2	0	0	2	1.48
IGNORING TRAFFIC CONTROL DEVICE	2	0	0	2	1.48
ROAD MAINTENANCE/ CONSTRUCTION	2	0	0	2	1.48
VISIBILITY IMPAIRED	2	0	0	2	1.48
AVOIDING VEH/PED/CYCLE	0	1	0	1	0.74
DEFECTIVE TIRES	1	0	0	1	0.74
DRIVER INEXPERIENCE	1	0	0	1	0.74
DEFECTIVE ENGINE	0	1	0	1	0.74
OVERSIZE VEHICLE	1	0	0	1	0.74
(RESULT OF) DIRECTLY PRECEDING ACCIDENT	0	1	0	1	0.74
ROADSIDE HAZARD	1	0	0	1	0.74
WILD ANIMAL	1	0	0	1	0.74
OTHER	19	10	0	29	21.48
TOTAL	88	46	1	135	100.00

MCF'S IN PUBLIC BUS ACCIDENTS
-PUBLIC BUS DRIVERS/VEHICLES ONLY-

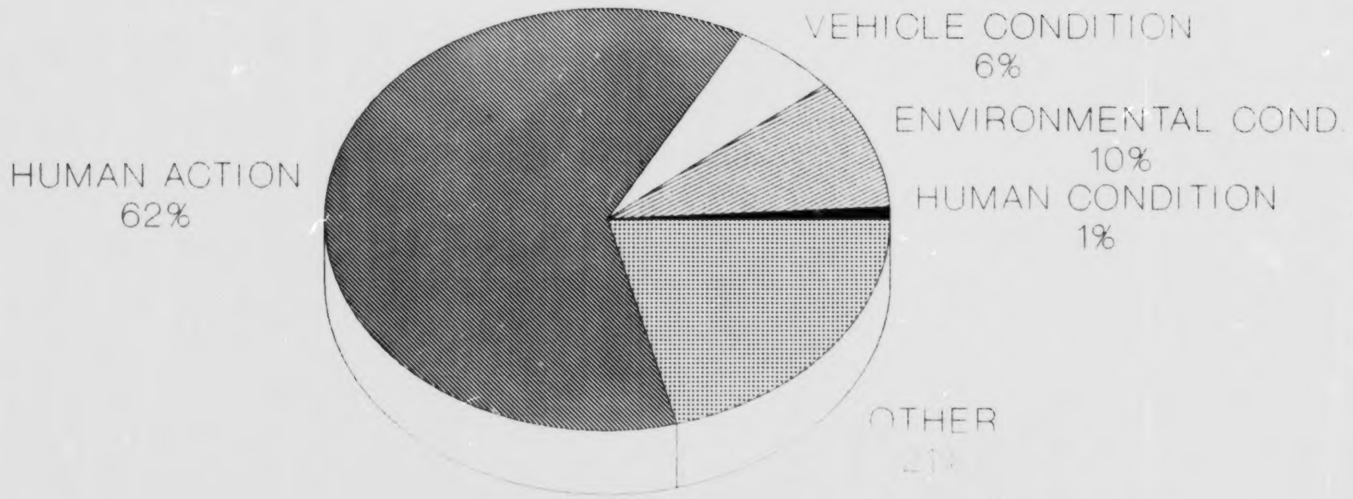


fig. 40

1987 PUBLIC BUS ACCIDENTS

MAJOR CONTRIBUTING FACTORS BY ACCIDENT TYPE

- OTHER DRIVERS/VEHICLES INVOLVED -

CONTRIBUTING FACTORS	ACCIDENT TYPE: PROPERTY DAMAGE	ACCIDENT TYPE: PERSONAL INJURY	ACCIDENT TYPE: FATAL	TOTAL FACTORS	PERCENT OF TOTAL
DRIVING WITHOUT DUE CARE	36	23	0	59	20.49
FAILING TO YIELD RIGHT OF WAY	20	10	0	30	10.42
FOLLOWING TOO CLOSELY	17	8	0	25	8.68
IGNORING TRAFFIC CONTROL DEVICE	8	13	0	21	7.29
ALCOHOL INVOLVEMENT	9	11	0	20	6.94
WEATHER CONDITION	9	7	0	16	5.56
CUTTING IN	8	5	0	13	4.51
IMPROPER TURNING	5	7	0	12	4.17
DRIVER INEXPERIENCE	5	3	0	8	2.79
DRIVING AT UNSAFE SPEED	5	2	0	7	2.43
PEDESTRIAN ERROR/CONFUSION	0	7	0	7	2.43
DRIVING ON WRONG SIDE OF ROAD	1	4	0	5	1.74
IMPROPER PASSING	4	0	0	4	1.39
(RESULT OF) DIRECTLY PRECEDING ACCIDENT	3	0	0	3	1.04
FATIGUE	0	3	0	3	1.04
INSECURE LOAD	3	0	0	3	1.04
OBSTRUCTION/DEBRIS ON ROAD	3	0	0	3	1.04
BACKING UNSAFELY	2	0	0	2	0.69
DEFECTIVE BRAKES	0	2	0	2	0.69
DEFECTIVE HEADLIGHTS	0	2	0	2	0.69
SUICIDE ATTEMPT	0	2	0	2	0.69
SUNLIGHT GLARE	1	1	0	2	0.69
ROAD MAINTENANCE/ CONSTRUCTION	0	1	0	1	0.35
VISIBILITY IMPAIRED	0	1	0	1	0.35
FAILING TO SIGNAL	0	1	0	1	0.35
ILLNESS	1	0	0	1	0.35
DOMESTIC ANIMAL	0	0	0	0	0.00
AVOIDING VEH/PED/CYCLE	0	0	0	0	0.00
DEFECTIVE TIRES	0	0	0	0	0.00
DEFECTIVE ENGINE	0	0	0	0	0.00
OVERSIZE VEHICLE	0	0	0	0	0.00
ROADSIDE HAZARD	0	0	0	0	0.00
WILD ANIMAL	0	0	0	0	0.00
OTHER	17	18	0	35	12.15
TOTAL	157	131	0	288	100.00

MCF'S IN PUBLIC BUS ACCIDENTS
-OTHER DRIVERS/VEHICLES ONLY-

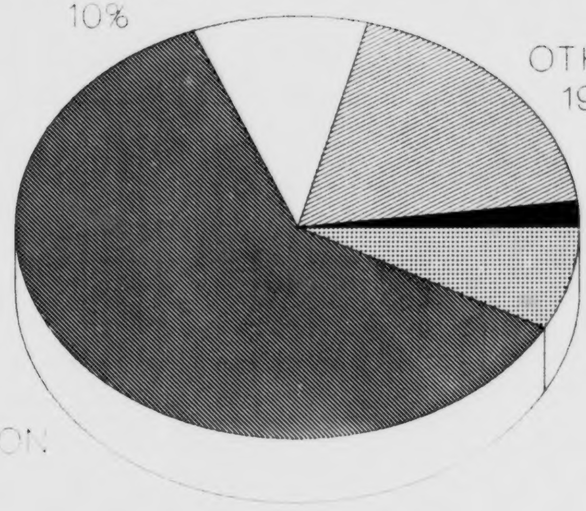


fig. 41

1987 PUBLIC BUS ACCIDENTS

PRIMARY ACCIDENT OCCURRENCE BY ACCIDENT TYPE

PRIMARY ACCIDENT OCCURRENCE	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
REAR END	82	51	0	133	22.43
RIGHT ANGLE COLLISION	43	30	0	73	12.31
SIDE SWIPE	30	5	0	35	5.90
OVERTAKING	22	8	0	30	5.06
LEFT TURN - ACROSS ONCOMING TRAFFIC	15	6	0	21	3.54
OFF ROAD - RIGHT	9	10	0	19	3.20
HEAD ON	3	9	0	12	2.02
OFF ROAD - LEFT	7	2	0	9	1.52
LEFT TURN - HEAD ON	5	3	0	8	1.35
BACKING	5	1	0	6	1.01
RIGHT TURN - REAR END	6	0	0	6	1.01
ONE WAY STREET	3	2	0	5	0.84
RIGHT TURN - HEAD ON	2	2	0	4	0.68
LEFT TURN - ONE WAY	3	0	0	3	0.51
OTHER	146	56	1	203	34.23
UNKNOWN	17	9	0	26	4.39
TOTAL	398	194	1	593	100.00

NOTE: The primary accident occurrence categories were modified for 1987 data, therefore comparison between 1987 and prior years is not recommended.

1987 PUBLIC BUS ACCIDENTS

PRE-COLLISION ACTION BY ACCIDENT TYPE

PRE-COLLISION ACTION	ACCIDENT TYPE PROPERTY DAMAGE	PERSONAL INJURY	FATAL	TOTAL ACTIONS	PERCENT OF TOTAL
GOING STRAIGHT AHEAD	324	209	0	533	44.72
STOPPED IN TRAFFIC	91	37	0	128	10.74
MAKING RIGHT TURN	71	22	0	93	7.80
CHANGING LANES	53	21	0	74	6.20
PARKED LEGALLY	67	6	0	73	6.12
MAKING LEFT TURN	52	18	1	71	5.95
SLOWING OR STOPPING	35	21	0	56	4.70
BACKING	27	0	0	27	2.27
SKIDDING	16	6	0	22	1.85
OVERTAKING	15	4	0	19	1.59
STARTING FROM PARKED POSITION	14	4	0	18	1.51
STARTING IN TRAFFIC	10	5	0	15	1.26
SWERVING	5	6	0	11	0.92
PARKED ILLEGALLY	6	2	0	8	0.67
ENTERING PARKED POSITION	6	0	0	6	0.50
MERGING	3	0	0	3	0.25
AVOIDING OBJECT ON ROAD	0	2	0	2	0.17
MAKING U TURN	2	0	0	2	0.17
SPINNING	1	0	0	1	0.09
OTHER	7	5	0	12	1.01
UNKNOWN	14	4	0	18	1.51
TOTAL	819	372	1	1,192	100.00

NOTE: This table represents the pre-collision actions of all vehicles involved

1987 PUBLIC BUS ACCIDENTS

ACCIDENT LOCATION BY ACCIDENT TYPE

ACCIDENT LOCATION	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
BETWEEN INTERSECTIONS	181	81	0	262	44.18
AT INTERSECTION	159	89	1	249	41.99
ROAD/DRIVEWAY INTERSECTION	17	14	0	31	5.22
PARKING LOT	18	1	0	19	3.20
BRIDGE	5	1	0	6	1.01
ENTRANCE INTERSECTION	2	1	0	3	.51
EXIT RAMP	1	2	0	3	.51
INDUSTRIAL ROAD	2	1	0	3	.51
EXIT INTERSECTION	2	0	0	2	.34
OFF HIGHWAY	2	0	0	2	.34
ENTRANCE ACCELERATION LANE	1	0	0	1	.17
UNKNOWN	8	4	0	12	2.02
TOTAL	398	194	1	593	100.00

1987 PUBLIC BUS ACCIDENTS

ROADWAY SURFACE CONDITION BY ACCIDENT TYPE

SURFACE CONDITION	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
DRY	266	130	1	397	66.95
WET	102	60	0	162	27.32
ICY	12	2	0	14	2.36
SNOW	6	1	0	7	1.18
SLUSH	2	1	0	3	0.50
MUDDY	1	0	0	1	0.17
UNKNOWN	9	0	0	9	1.52
TOTAL	398	194	1	593	100.00

14.8

1987 PUBLIC BUS ACCIDENTS

LIGHTING CONDITION BY ACCIDENT TYPE

LIGHTING CONDITION	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
DAYLIGHT	299	134	1	434	73.19
DARK/SOME ILLUMINATION	38	23	0	61	10.29
DARK/FULL ILLUMINATION	30	19	0	49	8.26
DARK/NO ILLUMINATION	13	9	0	22	3.71
DUSK	12	6	0	18	3.04
DAWN	1	3	0	4	0.67
UNKNOWN	5	0	0	5	0.84
TOTAL	398	194	1	593	100.00

1987 PUBLIC BUS ACCIDENTS

14.9

ACCIDENT TYPE BY WEATHER CONDITION

WEATHER CONDITION	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
CLEAR	211	100	1	312	52.62
CLOUDY	99	49	0	148	24.96
RAINING	67	43	0	110	18.55
SNOW/SLEET	10	1	0	11	1.85
FOG	4	1	0	5	0.84
UNKNOWN	7	0	0	7	1.18
TOTAL	398	194	1	593	100.00

1987 PUBLIC BUS ACCIDENTS

ACCIDENT HOUR BY ACCIDENT TYPE

ACCIDENT HOUR	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
Mid. - 1 am	5	3	0	8	1.35
1 am - 2 am	4	3	0	7	1.18
2 am - 3 am	4	2	0	6	1.01
3 am - 4 am	1	0	0	1	0.17
4 am - 5 am	1	0	0	1	0.17
5 am - 6 am	2	1	0	3	0.51
6 am - 7 am	4	3	1	8	1.35
7 am - 8 am	22	7	0	29	4.89
8 am - 9 am	29	9	0	38	6.41
9 am - 10 am	17	11	0	28	4.72
10 am - 11 am	19	7	0	26	4.38
11 am - Noon	24	11	0	35	5.90
Noon - 1 pm	19	12	0	31	5.23
1 pm - 2 pm	26	9	0	35	5.90
2 pm - 3 pm	22	12	0	34	5.73
3 pm - 4 pm	31	23	0	54	9.11
4 pm - 5 pm	43	14	0	57	9.61
5 pm - 6 pm	33	18	0	51	8.60
6 pm - 7 pm	15	18	0	33	5.57
7 pm - 8 pm	14	9	0	23	3.88
8 pm - 9 pm	18	6	0	24	4.05
9 pm - 10 pm	14	5	0	19	3.20
10 pm - 11 pm	11	4	0	15	2.53
11 pm - Mid.	6	5	0	11	1.85
UNKNOWN	14	2	0	16	2.70
TOTAL	398	194	1	593	100.00

SECTION 15

COMMERCIAL VEHICLES

1987 COMMERCIAL VEHICLE ACCIDENTS

As presented in this report, a commercial vehicle is defined as any motor vehicle or trailer licenced for commercial purposes. Vehicles in this category range from taxis to combination truck units to tractor trailer rigs. During 1987, there were 585,993 commercial vehicles licenced in British Columbia. This is an increase of 2% from last year.

Commercial vehicles involved in traffic accidents totalled 15,325 in 1987, which is a decrease of 0.1%. Seventy-two percent of these vehicles were involved in accidents involving only property damage, 27% in accidents involving personal injury and 1% were involved in fatal accidents. This translates into a slight reduction in the commercial vehicle accident rate from 2.7 accidents to 2.6 accidents per 100 licenced commercial vehicles.

1987 COMMERCIAL VEHICLE ACCIDENTS
MAJOR CONTRIBUTING FACTORS BY ACCIDENT TYPE

- ALL DRIVERS/VEHICLES INVOLVED -

CONTRIBUTING FACTORS	ACCIDENT TYPE			TOTAL FACTORS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
DRIVING WITHOUT DUE CARE	1,412	828	19	2,259	16.06
FAILING TO YIELD RIGHT OF WAY	1,165	556	8	1,729	12.30
BACKING UNSAFELY	1,042	50	0	1,092	7.77
FOLLOWING TOO CLOSELY	634	405	1	1,040	7.40
WEATHER CONDITION	643	239	6	888	6.32
DRIVING AT UNSAFE SPEED	467	297	20	784	5.58
WILD ANIMAL	487	35	0	522	3.71
ALCOHOL INVOLVEMENT	258	207	13	478	3.40
IGNORING TRAFFIC CONTROL DEVICE	229	186	6	421	2.99
IMPROPER TURNING	323	64	1	388	2.76
CUTTING IN	252	68	0	320	2.28
DRIVER INEXPERIENCE	205	94	4	303	2.15
IMPROPER PASSING	196	59	0	255	1.81
VISIBILITY IMPAIRED	163	74	0	237	1.69
DRIVING ON WRONG SIDE	106	55	14	175	1.24
INSECURE LOAD	112	28	0	140	0.99
ROAD MAINTENANCE/ CONSTRUCTION	94	39	2	135	0.96
DEFECTIVE BRAKES	78	53	2	133	0.95
OBSTRUCTION/DEBRIS ON ROAD	78	24	0	102	0.73
DOMESTIC ANIMAL	83	10	0	93	0.66
(RESULT OF) DIRECTLY PRECEDING ACCIDENT	48	21	1	70	0.50
DRIVERLESS VEHICLE	61	7	1	69	0.49
DEFECTIVE TIRES	46	20	1	66	0.47
AVOIDING VEH/PED/CYCLE	51	13		65	0.46
OVERSIZE VEHICLE	56	7	0	63	0.45
PEDESTRIAN ERROR/CONFUSION	3	51	4	58	0.41
FAILING TO SIGNAL	42	16	0	58	0.41
FELL ASLEEP	23	27	3	53	0.38
PAVEMENT CONDITION	36	10	2	48	0.34
DEFECTIVE TOW HITCH	41	3	0	44	0.31
EXTREME FATIGUE	18	22	0	40	0.28
SUNLIGHT GLARE	24	15	0	39	0.28
ROAD/INTERSECTION DESIGN	23	8	0	31	0.22
DEFECTIVE ENGINE	22	7	0	29	0.21
INSUFFICIENT TRAFFIC CONTROL	12	13	0	25	0.18
DEFECTIVE TURN SIGNALS	18	6	0	24	0.17
DEFECTIVE STEERING	14	10	0	24	0.17
DEFECTIVE BRAKE LIGHTS	11	11	0	22	0.16
OTHER	1,210	517	11	1,738	12.36
TOTAL	9,786	4,155	119	14,060	100.00

NOTE: "OTHER" includes those factors with less than 20 occurrences.

1987 COMMERCIAL VEHICLE ACCIDENTS
MAJOR CONTRIBUTING FACTORS BY ACCIDENT TYPE

- COMMERCIAL DRIVERS/VEHICLES ONLY -

CONTRIBUTING FACTORS	ACCIDENT TYPE			TOTAL FACTORS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
DRIVING WITHOUT DUE CARE	889	472	6	1,367	15.06
BACKING UNSAFELY	751	285	6	1,042	10.12
FAILING TO YIELD RIGHT OF WAY	880	38	0	918	9.64
WEATHER CONDITION	576	296	3	875	6.77
FOLLOWING TOO CLOSELY	463	148	3	614	6.73
DRIVING AT UNSAFE SPEED	359	252	0	611	6.17
WILD ANIMAL	333	220	7	560	5.67
IMPROPER TURNING	483	32	0	515	2.88
ALCOHOL INVOLVEMENT	225	36	0	261	2.35
IGNORING TRAFFIC CONTROL DEVICE	126	80	7	213	2.14
DRIVER INEXPERIENCE	110	83	1	194	1.92
VISIBILITY IMPAIRED	122	52	0	174	1.87
CUTTING IN	123	47	0	170	1.86
IMPROPER PASSING	131	38	0	169	1.55
INSECURE LOAD	105	36	0	141	1.42
ROAD MAINTENANCE/ CONSTRUCTION	101	28	0	129	1.13
DEFECTIVE BRAKES	75	26	2	103	1.07
DRIVING ON WRONG SIDE	57	38	2	97	1.06
DOMESTIC ANIMAL	67	23	6	96	0.94
OBSTRUCTION/DEBRIS ON ROAD	76	9	0	85	0.84
OVERSIZE VEHICLE	59	17	0	76	0.68
DEFECTIVE TIRES	55	7	0	62	0.61
AVOIDING VEH/PED/CYCLIST	40	15	0	55	0.55
DRIVERLESS VEHICLE	40	9	1	50	0.55
FELL ASLEEP	43	7	0	50	0.51
DEFECTIVE TOW HITCH	19	24	3	46	0.45
PAVEMENT CONDITION	39	2	0	41	0.44
FAILING TO SIGNAL	30	8	2	40	0.39
(RESULT OF) DIRECTLY	28	7	0	35	
PRECEDING ACCIDENT	22	8	1	31	0.34
EXTREME FATIGUE	14	16	0	30	0.33
ROAD/INTERSECTION DESIGN	20	7	0	27	0.30
DEFECTIVE STEERING	11	10	0	21	0.23
SUNLIGHT GLARE	13	7	0	20	0.22
OTHER	851	342	6	1,199	13.21
TOTAL	6,585	2,440	50	9,075	100.00

NOTE: "OTHER" includes those factors with less than 20 occurrences.

1987 COMMERCIAL VEHICLE ACCIDENTS
MAJOR CONTRIBUTING FACTORS IN ACCIDENTS

-COMMERCIAL VEHICLE-
-DRIVERS ONLY-

-ALL DRIVERS-

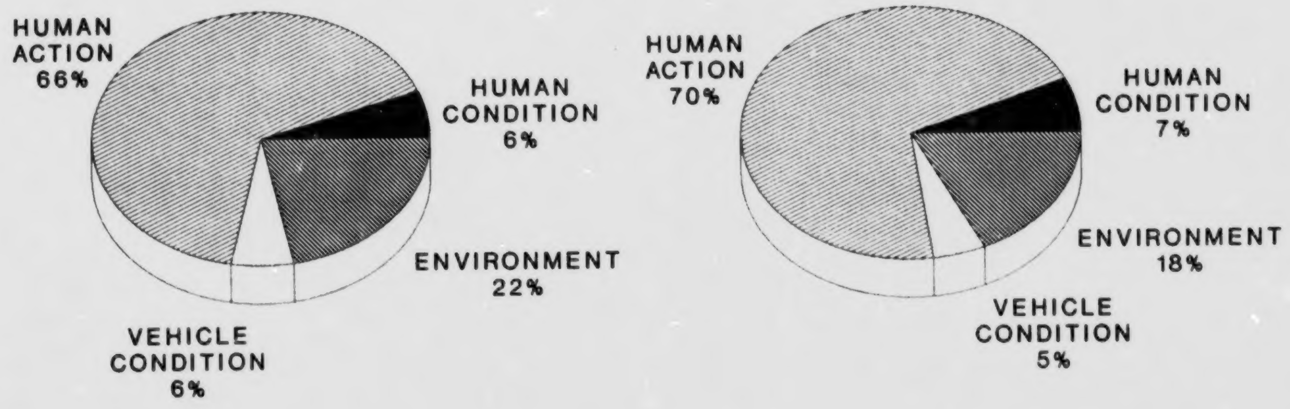


fig. 42

1987 COMMERCIAL VEHICLE ACCIDENTS

NUMBER OF VEHICLES INVOLVED IN ACCIDENTS BY VEHICLE TYPE

VEHICLE TYPE	ACCIDENT TYPE			TOTAL VEHICLES	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
SINGLE UNIT TRUCK, LIGHT	3,771	1,368	24	5,163	30.89
PASSENGER CAR	3,188	1,310	10	4,508	26.97
*SINGLE UNIT TRUCK, HEAVY	1,931	553	16	2,500	14.96
*TRACTOR TRAILER	1,167	336	33	1,536	9.19
PUBLIC BUS	328	183	1	512	3.06
*LOGGING TRUCK/POLE TRL	338	122	10	470	2.81
*HEAVY TRUCK/TRAILER	439	114	8	561	3.36
*TRACTOR TRAILER & PUP	232	116	15	363	2.17
TRUCK AND CAMPER	179	87	1	267	1.60
LIGHT TRUCK/TRAILER	151	40	0	191	1.14
SCHOOL BUS	78	32	1	111	0.67
GENERAL CONSTRUCTION	68	18	0	86	0.51
TOW TRUCK	40	10	0	50	0.30
TRUCK, CAMPER AND TRAILER	38	12	0	50	0.30
CAR & TRAILER	33	10	0	43	0.26
ATV - FOUR WHEEL DRIVE	34	6	1	41	0.25
MOTOR HOME	28	8	0	36	0.23
MOTORCYCLE	8	22	0	30	0.18
ROAD CONSTRUCTION	18	11	0	29	0.17
BICYCLE	2	15	0	17	0.10
FARM VEHICLE	9	5	0	14	0.08
MOBILE CRANE	5	2	0	7	0.04
OTHER	79	13	2	94	0.56
UNKNOWN	28	5	0	33	0.20
TOTAL	12,192	4,398	122	16,712	100.00

*These vehicles are defined as weighing 10,900 kg or over.

1987 COMMERCIAL VEHICLE ACCIDENTS

PRIMARY ACCIDENT OCCURRENCE BY ACCIDENT TYPE

PRIMARY ACCIDENT OCCURRENCE	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
REAR END	2,108	1,237	4	3,349	21.76
RIGHT ANGLE COLLISION	1,238	614	16	1,868	12.13
OFF ROAD - RIGHT	739	368	12	1,119	7.27
SIDE SWIPE	807	146	15	968	6.29
OFF ROAD LEFT	475	247	11	733	4.76
LEFT TURN ACROSS ONCOMING TRAFFIC	378	178	4	560	3.64
HEAD ON	310	159	29	498	3.24
OVERTAKING	374	95	1	470	3.05
BACKING	340	15	1	356	2.31
LEFT TURN - HEAD ON	165	62	2	229	1.49
RIGHT TURN - REAR END	99	12	0	111	0.72
LEFT TURN - ONE WAY	78	24	0	102	0.66
ONE WAY STREET	48	11	0	59	0.38
RIGHT TURN - HEAD ON	41	17	0	58	0.38
RIGHT TURN - SAME DIRECTION	20	7	0	27	0.18
RIGHT TURN - OPPOSITE DIRECTION	11	1	0	12	0.07
OTHER	3,623	684	19	4,326	28.10
UNKNOWN	406	143	0	549	3.57
TOTAL	11,260	4,020	114	15,394	100.00

NOTE: The primary accident occurrence categories were modified for 1987 data, therefore comparison between 1987 and prior years is not recommended.

1987 COMMERCIAL VEHICLE ACCIDENTS

ACCIDENT LOCATION BY ACCIDENT TYPE

ACCIDENT LOCATION	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
BETWEEN INTERSECTIONS	4,405	1,529	67	6,001	39.03
AT INTERSECTION	3,829	1,787	29	5,645	36.72
ROAD/DRIVEWAY INTERSECTION	855	276	2	1,113	7.24
PARKING LOT	1,000	43	0	1,043	6.79
BRIDGE	233	111	5	349	2.27
OFF HIGHWAY	150	24	0	174	1.13
INDUSTRIAL ROAD	100	33	4	137	0.89
ENTRANCE RAMP	70	24	0	94	0.61
RAILROAD CROSSING	67	14	2	83	0.54
EXIT RAMP	46	20	0	66	0.43
ENTRANCE ACCELERATION LANE	23	13	0	36	0.24
ENTRANCE INTERSECTION	29	6	0	35	0.23
EXIT INTERSECTION	20	8	0	28	0.18
FERRY OR DOCK	22	7	0	29	0.19
EXIT DECELERATION LANE	12	6	0	19	0.12
TUNNEL	8	11	0	18	0.11
OTHER	74	19	4	97	0.63
UNKNOWN	317	89	1	407	2.65
TOTAL	11,260	4,020	114	15,394	100.00

1987 COMMERCIAL VEHICLE ACCIDENTS
VEHICLE TYPE BY PROVINCE OF DRIVER'S LICENCE

-PROPERTY DAMAGE ACCIDENTS ONLY-

VEHICLE TYPE	CANADA							USA				
	BC	AL	MA	SA	ON	YT	OTHER CANADIAN	WA	OR	CA	ID	OTHER USA
PASSENGER CAR	8,508	206	16	28	51	4	26	34	11	18	2	30
SINGLE UNIT TRUCK, LIGHT	4,662	152	2	12	11	4	8	10	3	3	1	12
*SINGLE UNIT TRUCK, HEAVY	1,533	60	3	3	7	3	1	2	0	2	0	5
*TRACTOR TRAILER	779	145	13	17	17	8	1	23	3	0	1	8
*HEAVY TRUCK/TRAILER	316	31	3	3	1	0	1	2	0	1	0	2
PUBLIC BUS	284	7	1	0	1	0	0	3	2	0	0	1
*LOGGING TRUCK AND POLE TRAILER	286	7	0	1	0	0	0	0	0	0	0	0
TRUCK AND CAMPER	205	17	0	2	2	0	0	0	0	0	0	1
*TRACTOR TRAILER AND PUP	148	41	2	7	2	1	1	4	1	0	0	2
LIGHT TRUCK/TRAILER	142	15	0	2	1	1	0	1	0	0	0	2
SCHOOL BUS	76	0	0	0	0	0	0	0	0	0	0	0
CAR AND TRAILER	56	2	0	0	1	0	0	1	0	0	0	2
GENERAL CONSTRUCTION	60	1	0	0	0	0	0	0	0	0	0	0
MOTOR HOME	45	2	2	0	1	0	0	1	0	1	0	2
TRUCK CAMPER AND TRAILER	46	5	0	0	1	0	0	2	1	1	0	0
ATV-FOUR WHEEL DRIVE	44	2	0	1	0	0	0	0	0	0	0	0
TOW TRUCK	37	0	0	0	0	0	0	0	0	0	0	0
MOTORCYCLE	27	3	1	0	1	0	0	0	0	0	0	0
BICYCLE	22	0	0	0	0	0	0	0	0	0	0	0
ROAD CONSTRUCTION	17	1	0	0	0	0	0	0	0	0	0	0
FARM VEHICLE	8	0	0	0	0	0	0	0	0	0	0	0
MOTORHOME/TRAILER	8	0	0	0	0	0	0	1	0	0	0	1
TRAILER ONLY	3	0	0	0	0	0	0	0	0	0	0	0
MOBILE CRANE	3	0	1	0	0	0	0	0	0	0	0	0
OTHER	49	0	0	0	0	0	0	1	0	0	0	0
UNKNOWN	47	1	0	0	2	0	0	0	0	0	0	0
TOTAL	17,411	698	44	76	99	21	38	85	21	26	4	68

*NOTE: These vehicles are defined as weighing 10,900 kg or over.

cont'd...

1987 COMMERCIAL VEHICLE ACCIDENTS
VEHICLE TYPE BY PROVINCE OF DRIVER'S LICENCE

-PROPERTY DAMAGE ACCIDENTS ONLY-

cont'd ...

VEHICLE TYPE	FOREIGN DRIVER'S LICENCE	UNKNOWN	TOTAL	PERCENT OF TOTAL
PASSENGER CAR	50	1,209	10,193	48.18
SINGLE UNIT TRUCK, LIGHT	13	398	5,289	25.00
*SINGLE UNIT TRUCK, HEAVY	2	310	1,931	9.13
*TRACTOR TRAILER	0	151	1,167	5.52
*HEAVY TRUCK/TRAILER	0	79	439	2.07
PUBLIC BUS	0	38	337	1.59
*LOGGING TRUCK AND POLE TRAILER	0	44	338	1.60
TRUCK AND CAMPER	0	23	250	1.18
*TRACTOR TRAILER AND PUP	0	23	232	1.10
LIGHT TRUCK/TRAILER	0	10	174	0.82
SCHOOL BUS	0	3	79	0.37
CAR AND TRAILER	0	15	77	0.36
GENERAL CONSTRUCTION	0	11	72	0.34
MOTOR HOME	4	3	61	0.29
TRUCK CAMPER AND TRAILER	0	4	60	0.28
ATV-FOUR WHEEL DRIVE	0	7	54	0.26
TOW TRUCK	0	3	40	0.19
MOTORCYCLE	0	10	43	0.20
BICYCLE	0	4	26	0.12
ROAD CONSTRUCTION	0	1	19	0.09
FARM VEHICLE	0	4	12	0.06
MOTOR HOME/TRAILER	1	1	12	0.06
TRAILER ONLY	0	8	11	0.05
MOBILE CRANE	0	1	6	0.03
OTHER	0	40	89	0.42
UNKNOWN	0	97	147	0.69
TOTAL	70	2,497	21,158	100.00

*NOTE: These vehicles are defined as weighing 10,900 kg or over.

1987 COMMERCIAL VEHICLE ACCIDENTS
VEHICLE TYPE BY PROVINCE OF DRIVER'S LICENCE

-PERSONAL INJURY ACCIDENTS ONLY-

VEHICLE TYPE	CANADA							USA				
	BC	AL	SA	MA	ON	YT	OTHER CANADIAN	WA	OR	CA	ID	OTHER USA
PASSENGER CAR	3,697	74	5	5	13	3	8	9	0	2	0	11
SINGLE UNIT TRUCK, LIGHT	1,725	52	3	1	3	2	4	5	0	1	0	8
*SINGLE UNIT TRUCK, HEAVY	482	9	0	1	0	0	0	1	0	0	0	2
*TRACTOR TRAILER	238	49	0	3	6	2	0	5	1	0	1	2
PUBLIC BUS	167	2	0	0	0	0	0	0	0	0	0	0
BICYCLE	159	0	0	1	0	0	0	0	0	0	0	0
TRUCK AND CAMPER	109	3	0	0	1	0	0	1	0	0	0	0
*LOGGING TRUCK AND POLE TRAILER	116	0	0	0	0	1	0		0	0	0	0
*TRACTOR TRAILER AND PUP	83	17	7	1	1	0	0	0	0	0	1	0
MOTORCYCLE	103	1	0	0	0	0	3	1	0	0	0	0
*HEAVY TRUCK/TRAILER	90	11	0	1	0	2	0	3	0	0	0	0
LIGHT TRUCK/TRAILER	37	3	0	0	0	0	0	0	0	0	0	1
SCHOOL BUS	31	0	2	0	0	0	0	0	0	0	0	1
MOTOR HOME	22	1	0	0	0	0	0	0	0	0	0	0
CAR AND TRAILER	23	0	0	0	0	0	0	0	0	0	0	2
GENERAL CONSTRUCTION	18	0	0	0	0	0	0	0	0	0	0	2
TRUCK CAMPER AND TRAILER	12	0	0	0	0	0	0	0	0	0	0	0
ROAD CONSTRUCTION	9	0	0	0	0	1	0	0	0	0	0	2
ATV - FOUR WHEEL DRIVE	11	1	0	0	0	0	0	0	0	0	0	1
TOW TRUCK	8	0	0	0	0	0	0	0	0	0	0	0
FARM VEHICLE	5	0	0	0	0	0	0	0	0	0	0	0
OTHER	253	2	0	0	0	0	0	2	0	0	0	1
UNKNOWN	10	1	0	0	0	0	0	0	0	0	0	0
TOTAL	7,416	226	17	13	24	11	15	27	1	3	2	33

*NOTE: These vehicles are defined as weighing 10,900 kg or over.

cont'd...

1987 COMMERCIAL VEHICLE ACCIDENTS
VEHICLE TYPE BY PROVINCE OF DRIVER'S LICENCE

-PERSONAL INJURY ACCIDENTS ONLY-

cont'd ...

VEHICLE TYPE	FOREIGN DRIVER'S LICENCE	UNKNOWN	TOTAL	PERCENT OF TOTAL
PASSENGER CAR	9	117	3,833	48.93
SINGLE UNIT TRUCK, LIGHT	2	68	1,852	23.64
*SINGLE UNIT TRUCK, HEAVY	0	59	433	5.53
*TRACTOR TRAILER	0	29	312	3.98
PUBLIC BUS	0	15	184	2.35
BICYCLE	0	11	163	2.08
TRUCK AND CAMPER	0	2	119	1.52
*LOGGING TRUCK AND POLE TRAILER	0	6	116	1.48
*TRACTOR TRAILER AND PUP	0	6	115	1.47
MOTORCYCLE	0	5	105	1.34
*HEAVY TRUCK/TRAILER	0	1	95	1.21
LIGHT TRUCK/TRAILER	0	2	42	0.54
SCHOOL BUS	0	1	35	0.45
MOTOR HOME	2	1	25	0.32
CAR AND TRAILER	0	0	25	0.32
GENERAL CONSTRUCTION	0	0	20	0.25
TRUCK CAMPER AND TRAILER	0	1	13	0.17
ROAD CONSTRUCTION	0	0	12	0.15
ATV - FOUR WHEEL DRIVE	0	0	12	0.15
TOW TRUCK	0	2	10	0.13
FARM VEHICLE	0	0	5	0.06
OTHER	0	18	277	3.54
UNKNOWN	0	22	31	0.39
TOTAL	13	286	7,834	100.00

*NOTE: These vehicles are defined as weighing 10,900 kg or over.

1987 COMMERCIAL VEHICLE ACCIDENTS
VEHICLE TYPE BY PROVINCE OF DRIVER'S LICENCE

-FATAL ACCIDENTS ONLY-

VEHICLE TYPE	CANADA							USA				
	BC	AL	SA	MA	ON	YT	OTHER CANADIAN	WA	OR	CA	ID	OTHER USA
PASSENGER CAR	49	5	1	0	0	0	0	0	0	1	1	1
SINGLE UNIT TRUCK, LIGHT	35	1	0	0	0	0	0	0	0	0	0	0
*TRACTOR TRAILER	25	7	0	1	0	0	0	0	0	0	0	0
*TRACTOR TRAILER AND PUP	10	5	0	0	0	0	0	0	0	0	0	0
*SINGLE UNIT TRUCK, HEAVY	16	0	0	0	0	0	0	0	0	0	0	0
*LOGGING TRUCK AND POLE				0	0	0	0	0	0	0	0	0
TRAILER	10	0	0	0	0	0	0	0	0	0	0	0
*HEAVY TRUCK/TRAILER	6	2	0	0	0	0	0	0	0	0	0	0
MOTORCYCLE	6	0	0	0	0	0	0	0	0	0	0	0
OTHER	31	1	0	0	0	0	0	0	0	0	0	0
TOTAL	188	21	1	1	0	0	0	0	0	1	1	1

*NOTE: These vehicles are defined as weighing 10,900 kg or over.

cont'd...

1987 COMMERCIAL VEHICLE ACCIDENTS
VEHICLE TYPE BY PROVINCE OF DRIVER'S LICENCE

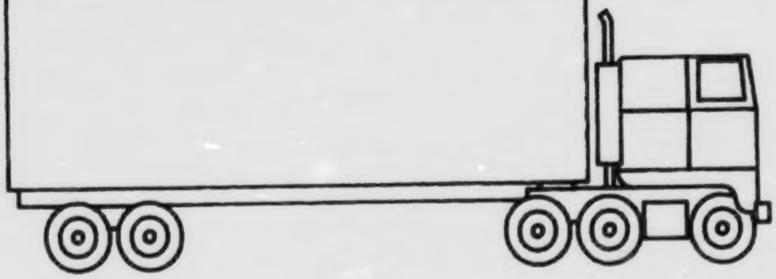
-FATAL ACCIDENTS ONLY-

cont'd ...

VEHICLE TYPE	FOREIGN DRIVER'S LICENCE	UNKNOWN	TOTAL	PERCENT OF TOTAL
PASSENGER CAR	1	0	57	27.14
SINGLE UNIT TRUCK, LIGHT	1	1	38	18.10
*TRACTOR TRAILER	0	0	32	15.24
*TRACTOR TRAILER AND PUP	0	0	15	7.14
*SINGLE UNIT TRUCK, HEAVY	0	0	13	6.19
*LOGGING TRUCK AND POLE TRAILER	0	0	10	4.76
*HEAVY TRUCK/TRAILER	0	0	8	3.81
MOTORCYCLE	0	0	5	2.38
OTHER	0	0	32	15.24
TOTAL	2	1	210	100.00

*NOTE: These vehicles are defined as weighing 10,900 kg or over.

SECTION 16



HEAVY COMMERCIAL VEHICLES

1987 HEAVY COMMERCIAL VEHICLE ACCIDENTS

A heavy commercial vehicle is defined, for the purpose of these reports, as any single or combination truck unit over 10,900 kg GVW. Vehicles in this category include single unit truck/heavy, tractor trailer, tractor trailer and pup, combination unit truck/heavy, and logging truck & pole trailer.

1987 is the first year for which we have extracted heavy commercial vehicle statistics independently of the commercial vehicle reports. The commercial vehicle reports which precede these include the heavy commercial vehicles examined in this set. In order to do year to year comparisons, it is necessary to refer to the commercial vehicle reports for previous years and identify and extract the heavy commercial vehicle figures.

Heavy commercial vehicles involved in traffic accidents totalled 5,430 in 1987. Of these accidents, 76% were property damage only, 23% were personal injury accidents, and 1% were fatal accidents.

1987 HEAVY COMMERCIAL VEHICLE ACCIDENTS
MAJOR CONTRIBUTING FACTORS

- ALL DRIVERS/VEHICLES INVOLVED -

CONTRIBUTING FACTORS	ACCIDENT TYPE: PROPERTY DAMAGE	ACCIDENT TYPE: PERSONAL INJURY	ACCIDENT TYPE: FATAL	TOTAL FACTORS	PERCENT OF TOTAL
DRIVING WITHOUT DUE CARE	450	224	10	684	14.87
BACKING UNSAFELY	372	19	0	391	8.50
FAILING TO YIELD RIGHT OF WAY	222	100	4	326	7.09
DRIVING AT UNSAFE SPEED	162	118	16	296	6.44
WEATHER CONDITION	195	71	5	271	5.89
FOLLOWING TOO CLOSELY	136	91	1	228	4.96
ALCOHOL INVOLVEMENT	85	67	8	160	3.48
IMPROPER TURNING	132	24	1	157	3.41
WILD ANIMAL	142	9	0	151	3.28
CUTTING IN	94	27	0	121	2.63
IMPROPER PASSING	88	19	0	107	2.33
INSECURE LOAD	80	24	0	104	2.26
IGNORING TRAFFIC CONTROL DEVICE	54	44	5	103	2.24
DRIVER INEXPERIENCE	70	24	2	96	2.09
VISIBILITY IMPAIRED	72	21	0	93	2.02
DEFECTIVE BRAKES	40	29	2	71	1.54
DRIVING ON WRONG SIDE OF ROAD	37	17	11	65	1.41
DRIVERLESS VEHICLE	49	4	1	54	1.17
OBSTRUCTION/DEBRIS ON ROAD	36	9	0	45	0.98
OVERSIZE VEHICLE	40	4	0	44	0.96
ROAD MAINTENANCE/ CONSTRUCTION	27	16	1	44	0.96
DEFECTIVE TIRES	23	10	0	33	0.72
DOMESTIC ANIMAL	32	1	0	33	0.72
DEFECTIVE TOW HITCH	28	1	0	29	0.63
(RESULT OF) DIRECTLY PRECEDING ACCIDENT	23	4	1	28	0.61
AVOIDING VEH/PED/CYCLE	17	6	1	24	0.52
PAVEMENT CONDITION	11	5	2	18	0.39
ROAD INTERSECTION/DESIGN	13	5	0	18	0.39
FELL ASLEEP	8	8	1	17	0.37
EXTREME FATIGUE	7	8	0	15	0.33
DEFECTIVE SUSPENSION	8	7	0	15	0.33
DEFECTIVE ENGINE	10	4	0	14	0.30
FAILING TO SIGNAL	10	3	0	13	0.28
SUNLIGHT GLARE	9	3	0	12	0.26
DEFECTIVE STEERING	7	4	0	11	0.24
DEFECTIVE TURN SIGNALS	6	3	0	9	0.20
RESTRAINT SYSTEM	7	1	0	8	0.17
ARTIFICIAL GLARE	3	3	0	6	0.13
DEFECTIVE BRAKE LIGHTS	4	2	0	6	0.13
ROADSIZE HAZARD	5	0	0	5	0.11
OTHER	482	184	9	675	14.66
TOTAL	3,296	1,223	81	4,600	100.00

1987 HEAVY COMMERCIAL VEHICLE ACCIDENTS
MAJOR CONTRIBUTING FACTORS

- HEAVY COMMERCIAL VEHICLE DRIVERS/VEHICLES ONLY -

CONTRIBUTING FACTORS	ACCIDENT TYPE			TOTAL FACTORS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
DRIVING WITHOUT DUE CARE	301	120	2	423	14.13
BACKING UNSAFELY	323	16	0	339	11.32
DRIVING AT UNSAFE SPEED	102	83	6	191	6.38
WEATHER CONDITION	121	43	2	166	5.54
FOLLOWING TOO CLOSELY	91	70	0	161	5.38
WILD ANIMAL	141	8	0	149	4.98
FAILING TO YIELD RIGHT OF WAY	98	40	0	138	4.61
IMPROPER TURNING	102	12	0	114	3.81
INSECURE LOAD	74	24	0	98	3.27
VISIBILITY IMPAIRED	53	10	0	63	2.10
CUTTING IN	47	14	0	61	2.04
DEFECTIVE BRAKES	34	23	2	59	1.97
IMPROPER PASSING	41	10	0	51	1.70
ALCOHOL INVOLVEMENT	29	18	3	50	1.67
OVERSIZE VEHICLE	40	4	0	44	1.47
DRIVER INEXPERIENCE	36	7	0	43	1.44
IGNORING TRAFFIC CONTROL DEVICE	18	24	1	43	1.44
DRIVERLESS VEHICLE	37	4	0	41	1.37
DRIVING ON WRONG SIDE OF ROAD	26	7	3	36	1.20
ROAD MAINTENANCE/ CONSTRUCTION	19	14	1	34	1.14
OBSTRUCTION/DEBRIS ON ROAD	24	7	0	31	1.03
DOMESTIC ANIMAL	29	0	0	29	0.97
DEFECTIVE TOW HITCH	27	1	0	28	0.94
DEFECTIVE TIRES	20	7	0	27	0.90
AVOIDING VEH/PED/CYCLE	13	4	1	18	0.60
DEFECTIVE SUSPENSION	8	7	0	15	0.50
PAVEMENT CONDITION	8	3	2	13	0.43
ROAD/INTERSECTION DESIGN	9	4	0	13	0.43
EXTREME FATIGUE	6	6	0	12	0.40
FELL ASLEEP	5	5	1	11	0.37
(RESULT OF) DIRECTLY PRECEDING ACCIDENT	8	2	1	11	0.37
DEFECTIVE STEERING	5	4	0	9	0.30
DEFECTIVE TURN SIGNALS	5	3	0	8	0.27
FAILING TO SIGNAL	7	1	0	8	0.27
RESTRAINT SYSTEM	7	1	0	8	0.27
SUNLIGHT GLARE	5	2	0	7	0.23
DEFECTIVE ENGINE	5	1	0	6	0.20
DEFECTIVE BRAKE LIGHTS	3	2	0	5	0.17
OTHER	317	108	6	431	14.39
TOTAL	2,244	719	31	2,994	100.00

1987 HEAVY COMMERCIAL VEHICLE ACCIDENTS

NUMBER OF HEAVY COMMERCIAL VEHICLES INVOLVED IN ACCIDENTS BY MONTH

MONTH	NUMBER OF VEHICLES	PERCENT OF TOTAL
JANUARY	500	9.21
FEBRUARY	387	7.13
MARCH	420	7.73
APRIL	363	6.68
MAY	408	7.51
JUNE	398	7.33
JULY	514	9.47
AUGUST	423	7.79
SEPTEMBER	443	8.16
OCTOBER	500	9.21
NOVEMBER	494	9.10
DECEMBER	580	10.68
TOTAL	5,430	100.00

1987 HEAVY COMMERCIAL VEHICLE ACCIDENTS

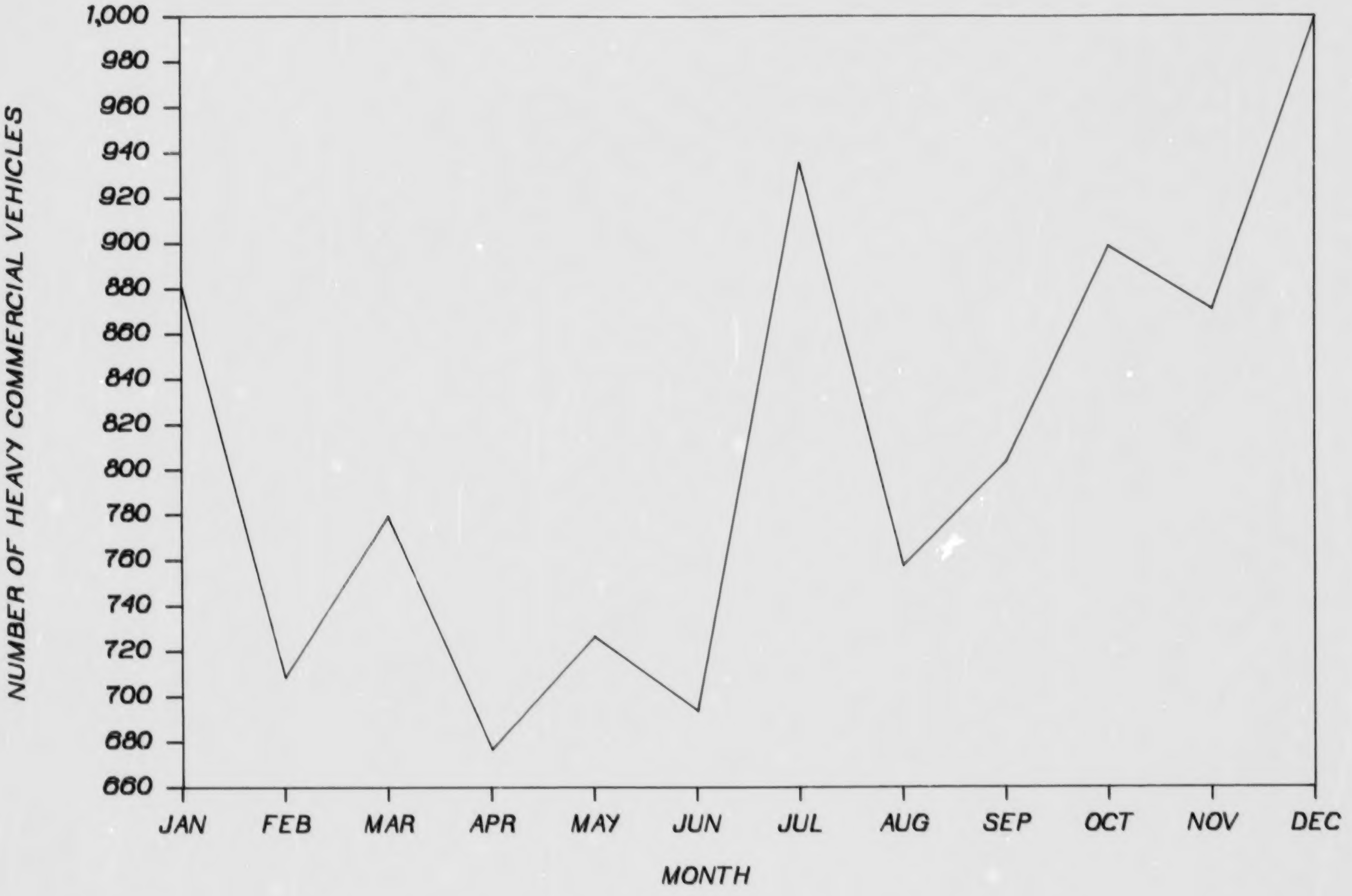


fig. 43

fig. 44

1987 MOTOR VEHICLE ACCIDENTS

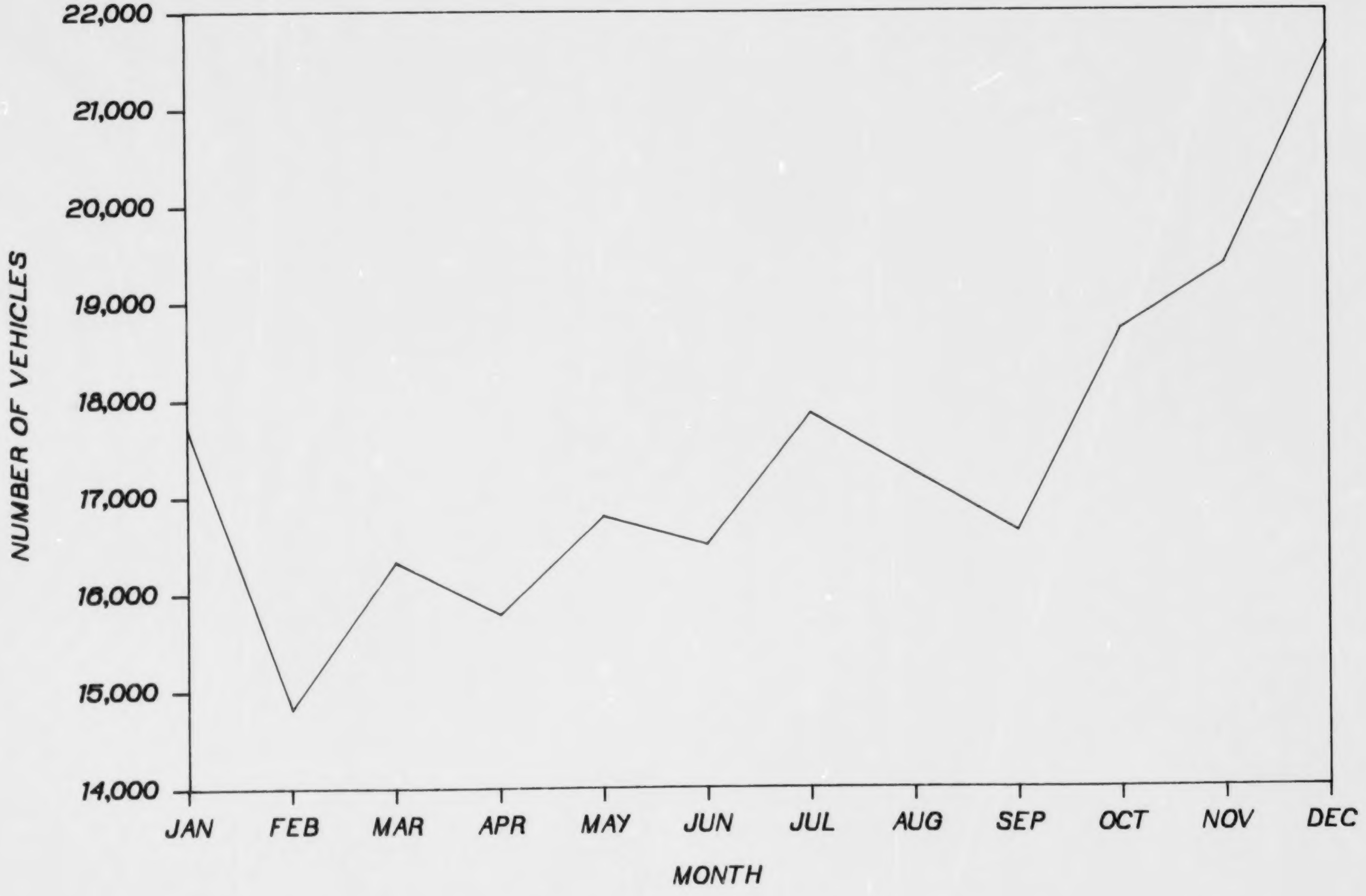
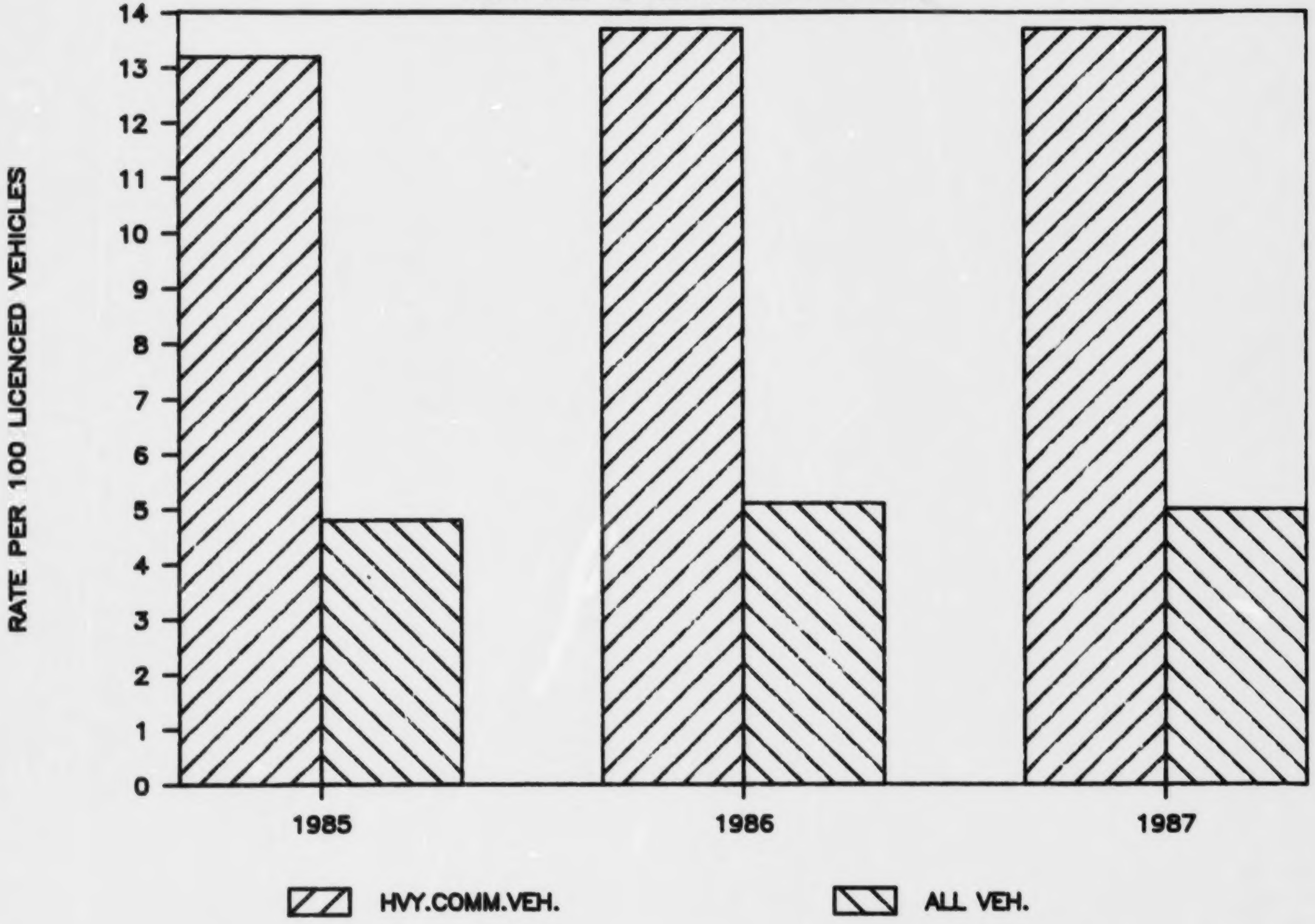


fig. 45

HEAVY COMMERCIAL VEHICLE ACCIDENT RATES

COMPARED TO ALL ACCIDENTS IN 1987



1987 HEAVY COMMERCIAL VEHICLE ACCIDENTS

- PRIMARY ACCIDENT OCCURENCE BY ACCIDENT TYPE -

PRIMARY ACCIDENT OCCURRENCE	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
REAR END	567	319	2	888	17.08
SIDE SWIPE	381	73	15	469	9.02
RIGHT ANGLE COLLISION	301	138	9	448	8.62
OFF ROAD - RIGHT	278	139	7	424	8.15
OFF ROAD - LEFT	161	96	6	263	5.06
OVERTAKING	129	32	0	161	3.10
HEAD ON	93	42	20	155	2.98
BACKING	132	6	1	139	2.67
LEFT TURN - ACROSS ONCOMING TRAFFIC	71	28	4	103	1.98
LEFT TURN - HEAD ON	46	20	2	68	1.31
RIGHT TURN - REAR END	33	6	0	39	0.75
LEFT TURN - ONE WAY	20	1	0	21	0.40
RIGHT TURN - HEAD ON	14	4	0	18	0.35
ONE WAY STREET	13	3	0	16	0.31
RIGHT TURN - SAME DIRECTION	10	0	0	10	0.19
RIGHT TURN - OPPOSITE DIRECTION	6	1	0	7	0.13
OTHER	1,520	231	11	1,762	33.88
UNKNOWN	160	49	0	209	4.02
TOTAL	3,935	1,188	77	5,200	100.00

NOTE: The primary accident occurrence categories were modified for 1987 data, therefore comparison between 1987 and prior years is not recommended.

1987 HEAVY COMMERCIAL VEHICLE ACCIDENTS

- ACCIDENT LOCATION BY ACCIDENT TYPE -

ACCIDENT LOCATION	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
BETWEEN INTERSECTIONS	1,672	531	47	2,250	43.27
AT INTERSECTION	1,143	435	19	1,597	30.71
PARKING LOT	396	8	0	404	7.77
ROAD/DRIVEWAY INTERSECTION	246	69	2	317	6.10
BRIDGE	78	46	4	128	2.46
OFF HIGHWAY	73	11	0	84	1.61
INDUSTRIAL ROAD	54	17	3	74	1.42
ENTRANCE RAMP	25	12	0	37	0.71
RAILROAD CROSSING	23	3	0	26	0.50
EXIT RAMP	16	7	0	23	0.44
FERRY OR DOCK	11	3	0	14	0.27
ENTRANCE INTERSECTION	7	1	0	8	0.15
EXIT INTERSECTION	6	0	0	6	0.12
TUNNEL	4	2	0	6	0.12
ENTRANCE ACCELERATION LANE	1	4	0	5	0.10
EXIT DECELERATION LANE	3	1	0	4	0.08
OTHER	41	8	2	51	0.98
UNKNOWN	136	30	0	166	3.19
TOTAL	3,935	1,188	77	5,200	100.00

1987 HEAVY COMMERCIAL VEHICLE ACCIDENTS

LIGHTING CONDITION BY ACCIDENT TYPE

LIGHTING CONDITION	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
DAYLIGHT	2,968	875	45	3,888	74.77
DARK/NO ILLUMINATION	346	127	20	493	9.48
DARK/SOME ILLUMINATION	285	91	7	383	7.36
DARK/FULL ILLUMINATION	122	34	3	159	3.06
DUSK	100	27	2	129	2.48
DAWN	73	31	0	104	2.00
UNKNOWN	41	3	0	44	0.85
TOTAL	3,935	1,188	77	5,200	100.00

16.7

1987 HEAVY COMMERCIAL VEHICLE ACCIDENTS

WEATHER CONDITION BY ACCIDENT TYPE

WEATHER CONDITION	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
CLEAR	2,127	577	36	2,740	52.69
CLOUDY	1,030	354	21	1,405	27.02
RAIN	497	166	9	672	12.92
SNOW/SLEET	176	64	8	248	4.77
FOG	39	13	3	55	1.06
STRONG WIND	4	1	0	5	0.09
SMOG/SMOKE	1	2	0	3	0.06
HAIL	2	0	0	2	0.04
UNKNOWN	58	10	0	68	1.31
OTHER	1	1	0	2	0.04
TOTAL	3,935	1,188	77	5,200	100.00

1987 HEAVY COMMERCIAL VEHICLE ACCIDENTS

ROADWAY SURFACE CONDITION BY ACCIDENT TYPE

SURFACE CONDITION	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
DRY	2,564	722	43	3,329	64.02
WET	856	296	18	1,170	22.50
ICY	201	80	5	286	5.50
SNOW	206	48	7	261	5.02
SLUSH	43	26	4	73	1.40
MUDDY	18	3	0	21	0.40
UNKNOWN	44	11	0	55	1.06
OTHER	3	2	0	5	0.10
TOTAL	3,935	1,188	77	5,200	100.00

1987 HEAVY COMMERCIAL VEHICLE ACCIDENTS
VEHICLE TYPE BY PROVINCE OF DRIVER'S LICENCE

-PROPERTY DAMAGE ACCIDENTS ONLY-

VEHICLE TYPE	CANADA							USA				
	BC	AL	SA	MA	ON	YT	OTHER CANADIAN	WA	OR	CA	ID	OTHER USA
PASSENGER CAR	1,719	48	9	7	6	2	6	8	3	5	1	4
*SINGLE UNIT TRUCK, HEAVY	1,533	60	3	3	7	3	1	2	0	2	0	5
*TRACTOR TRAILER	779	146	17	13	17	8	1	23	3	0	1	8
SINGLE UNIT TRUCK, LIGHT	464	23	4	0	2	1	1	5	2	1	0	1
*HEAVY TRUCK/TRAILER	316	31	3	3	1	0	1	2	0	1	0	2
*LOGGING TRUCK AND POLE TRAILER	286	7	1	0	0	0	0	0	0	0	0	0
*TRACTOR TRAILER AND PUP	148	41	7	2	2	1	1	4	1	0	0	2
TRUCK AND CAMPER	15	0	0	0	0	0	0	0	0	0	0	0
MOTOR HOME	10	0	0	0	0	0	0	0	1	1	0	1
LIGHT TRUCK/TRAILER	10	2	0	0	0	0	0	1	0	0	0	1
CAR AND TRAILER	11	0	0	0	0	0	0	0	0	0	0	0
TRUCK, CAMPER AND TRAILER	4	3	0	0	1	0	0	1	0	1	0	0
PUBLIC BUS	10	0	0	0	0	0	0	0	0	0	0	0
MOTORCYCLE	2	2	0	1	1	0	0	0	0	0	0	0
GENERAL CONSTRUCTION	2	1	0	0	0	0	0	0	0	0	0	0
ATV-FOUR WHEEL DRIVE	4	1	0	0	0	0	0	0	0	0	0	0
TRAILER ONLY	0	0	0	0	0	0	0	0	0	0	0	0
BICYCLE	3	0	0	0	0	0	0	0	0	0	0	0
ROAD CONSTRUCTION	2	0	0	0	0	0	0	0	0	0	0	0
TOW TRUCK	2	0	0	0	0	0	0	0	0	0	0	0
FARM VEHICLE	1	0	0	0	0	0	0	0	0	0	0	0
SCHOOL BUS	1	0	0	0	0	0	0	0	0	0	0	0
MOBILE HOME	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	6	0	0	0	0	0	0	0	0	0	0	1
UNKNOWN	5	0	0	0	0	0	0	0	0	0	0	0
TOTAL	5,333	365	44	29	37	15	11	46	10	11	2	25

*NOTE: These vehicles are defined as weighing 10,900 kg or over.

1987 HEAVY COMMERCIAL VEHICLE ACCIDENTS
VEHICLE TYPE BY PROVINCE OF DRIVER'S LICENCE

-PROPERTY DAMAGE ACCIDENTS ONLY-

VEHICLE TYPE	FOREIGN DRIVER'S LICENCE	UNKNOWN	TOTAL	PERCENT OF TOTAL
PASSENGER CAR	10	466	2,294	31.59
*SINGLE UNIT TRUCK, HEAVY	2	310	1,931	26.59
*TRACTOR TRAILER	0	151	1,167	16.07
SINGLE UNIT TRUCK, LIGHT	1	138	643	8.86
*HEAVY TRUCK/TRAILER	0	79	439	6.05
*LOGGING TRUCK AND POLE TRAILER	0	44	338	4.65
*TRACTOR TRAILER AND PUP	0	23	232	3.20
TRUCK AND CAMPER	0	4	19	0.26
MOTOR HOME	1	3	17	0.23
LIGHT TRUCK/TRAILER	0	2	16	0.22
CAR AND TRAILER	0	5	16	0.22
TRUCK, CAMPER AND TRAILER	0	2	13	0.18
PUBLIC BUS	0	3	13	0.18
MOTORCYCLE	0	4	10	0.14
GENERAL CONSTRUCTION	0	3	6	0.08
ATV-FOUR WHEEL DRIVE	0	0	5	0.07
TRAILER ONLY	0	5	5	0.07
BICYCLE	0	0	3	0.04
ROAD CONSTRUCTION	0	0	2	0.03
TOW TRUCK	0	0	2	0.03
FARM VEHICLE	0	1	2	0.03
SCHOOL BUS	0	1	2	0.03
MOBILE HOME	0	1	1	0.01
OTHER	0	12	18	0.25
UNKNOWN	0	62	67	0.92
TOTAL	14	1,319	7,261	100.00

*NOTE: These vehicles are defined as weighing 10,900 kg or over.

1987 HEAVY COMMERCIAL VEHICLE ACCIDENTS
VEHICLE TYPE BY PROVINCE OF DRIVER'S LICENCE

-PERSONAL INJURY ACCIDENTS ONLY-

VEHICLE TYPE	CANADA							USA				
	BC	AL	SA	MA	ON	YT	OTHER CANADIAN	WA	OR	CA	ID	OTHER USA
*SINGLE UNIT TRUCK, HEAVY	482	9	0	1	0	0	0	1	0	0	0	2
PASSENGER CAR	655	19	2	1	1	0	2	0	0	0	0	4
*TRACTOR TRAILER	238	49	0	3	6	2	0	5	1	0	1	2
SINGLE UNIT TRUCK, LIGHT	193	5	1	1	0	1	0	2	0	0	0	1
*LOGGING TRUCK AND POLE TRAILER	116	0	0	0	0	1	0	0	0	0	0	0
*TRACTOR TRAILER AND PUP	83	17	7	1	1	0	0	0	0	0	1	0
*HEAVY TRUCK/TRAILER	90	11	0	1	0	2	0	3	0	0	0	1
MOTORCYCLE	25	0	0	0	0	0	0	0	0	0	0	0
BICYCLE	24	0	0	0	0	0	0	0	0	0	0	0
TRUCK AND CAMPER	13	1	0	0	1	0	0	0	0	0	0	0
MOTOR HOME	7	0	1	0	0	0	0	0	0	0	0	2
PUBLIC BUS	5	0	0	0	0	0	0	0	0	0	0	0
CAR AND TRAILER	5	0	0	0	0	0	0	0	0	0	0	0
GENERAL CONSTRUCTION	4	0	0	0	0	0	0	0	0	0	0	0
ATV-FOUR WHEEL DRIVE	3	0	0	0	0	0	0	0	0	0	0	0
SCHOOL BUS	3	0	0	0	0	0	0	0	0	0	0	0
LIGHT TRUCK/TRAILER	3	0	0	0	0	0	0	0	0	0	0	0
FARM VEHICLE	1	0	0	0	0	0	0	0	0	0	0	0
TRUCK, CAMPER AND TRAILER	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	1	0	0	0	0	0	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	0	0	0	0	1
TOTAL	1,951	111	11	8	9	6	2	11	1	0	2	13

*NOTE: These vehicles are defined as weighing 10,900 kg or over.

1987 HEAVY COMMERCIAL VEHICLE ACCIDENTS
VEHICLE TYPE BY PROVINCE OF DRIVER'S LICENCE

-PERSONAL INJURY ACCIDENTS ONLY-

cont'd ...

VEHICLE TYPE	FOREIGN DRIVER'S LICENCE	UNKNOWN	TOTAL	PERCENT OF TOTAL
*SINGLE UNIT TRUCK, HEAVY	1	58	553	24.17
PASSENGER CAR	0	32	717	31.34
*TRACTOR TRAILER	0	29	336	14.69
*SINGLE UNIT TRUCK, LIGHT	0	13	217	9.48
*LOGGING TRUCK AND POLE TRAILER	0	5	122	5.33
*TRACTOR TRAILER AND PUP	0	6	116	5.07
*HEAVY TRUCK/TRAILER	0	6	114	4.98
MOTORCYCLE	0	1	26	1.14
BICYCLE	0	0	24	1.05
TRUCK AND CAMPER	2	2	17	0.74
MOTOR HOME	0	0	12	0.52
PUBLIC BUS	0	0	5	0.22
CAR AND TRAILER	0	0	5	0.22
GENERAL CONSTRUCTION	0	0	4	0.18
ATV-FOUR WHEEL DRIVE	0	0	3	0.13
SCHOOL BUS	0	0	3	0.13
LIGHT TRUCK/TRAILER	0	0	3	0.13
FARM VEHICLE	0	0	1	0.04
TRUCK CAMPER AND TRAILER	0	1	2	0.09
OTHER	0	2	3	0.13
UNKNOWN	0	5	5	0.22
TOTAL	3	160	2,288	100.00

*NOTE: These vehicles are defined as weighing 10,900 kg or over.

1987 HEAVY COMMERCIAL VEHICLE ACCIDENTS
VEHICLE TYPE BY PROVINCE OF DRIVER'S LICENCE

-FATAL ACCIDENTS ONLY-

VEHICLE TYPE	CANADA							USA				
	BC	AL	SA	MA	ON	YT	OTHER CANADIAN	WA	OR	CA	ID	OTHER USA
PASSENGER CAR	30	4	0	1	0	0	0	0	0	0	0	1
*TRACTOR TRAILER	25	7	1	0	0	0	0	0	0	0	0	0
*TRACTOR TRAILER AND PUP	10	5	0	0	0	0	0	0	0	0	0	0
SINGLE UNIT TRUCK, LIGHT	14	0	0	0	0	0	0	0	0	0	0	0
*SINGLE UNIT TRUCK, HEAVY	16	0	0	0	0	0	0	0	0	0	0	0
*LOGGING TRUCK AND POLE TRAILER	10	0	0	0	0	0	0	0	0	0	0	0
*HEAVY TRUCK/TRAILER	6	2	0	0	0	0	0	0	0	0	0	0
BICYCLE	4	0	0	0	0	0	0	0	0	0	0	0
FARM VEHICLE	1	0	0	0	0	0	0	0	0	0	0	0
MOTORHOME	1	0	0	0	0	0	0	0	0	0	0	0
MOTORCYCLE	1	0	0	0	0	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	0	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	118	18	1	1	0	0	0	0	0	0	0	1

*NOTE: These vehicles are defined as weighing 10,900 kg or over.

cont'd...

1987 HEAVY COMMERCIAL VEHICLE ACCIDENTS
VEHICLE TYPE BY PROVINCE OF DRIVER'S LICENCE

FATAL ACCIDENTS ONLY

VEHICLE TYPE	FOREIGN DRIVER'S LICENCE	UNKNOWN	TOTAL	PERCENT OF TOTAL
PASSENGER CAR	0	0	37	26.06
*TRACTOR TRAILER	0	0	33	23.24
SINGLE UNIT TRUCK, LIGHT	1	1	16	11.27
*SINGLE UNIT TRUCK, HEAVY	0	0	16	11.27
*TRACTOR TRAILER AND PUP	0	0	15	10.56
*LOGGING TRUCK AND POLE TRAILER	0	0	10	7.04
*HEAVY TRUCK/TRAILER	0	0	8	5.64
BICYCLE	0	0	4	2.82
FARM VEHICLE	0	0	1	0.70
MOTOR HOME	0	0	1	0.70
MOTORCYCLE	0	0	1	0.70
OTHER	0	0	0	0.00
UNKNOWN	0	0	0	0.00
TOTAL	1	1	142	100.00

*NOTE: These vehicles are defined as weighing 10,900 kg or over.

1987 HEAVY COMMERCIAL VEHICLE ACCIDENTS
DRIVER AGE BY ACCIDENT TYPE

-HEAVY COMMERCIAL VEHICLE DRIVERS ONLY-

DRIVER AGE	ACCIDENT TYPE			TOTAL DRIVERS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
11 - 15	1	0	0	1	0.02
16	7	2	0	9	0.17
17	8	3	0	11	0.20
18	22	8	0	30	0.55
19	56	9	0	65	1.20
20	45	18	2	65	1.20
21 - 25	479	157	6	642	11.82
26 - 30	631	223	13	867	15.97
31 - 35	578	181	11	770	14.18
36 - 40	458	153	13	624	11.49
41 - 45	361	129	12	502	9.24
46 - 50	275	89	4	368	6.78
51 - 55	231	87	13	331	6.09
56 - 60	134	38	7	179	3.30
61 - 65	60	22	1	83	1.53
66 - 70	12	4	0	16	0.29
71 - 75	6	3	0	9	0.17
76 - 80	2	0	0	2	0.04
UNKNOWN	741	115	0	856	15.76
TOTAL	4,107	1,241	82	5,430	100.00

1987 HEAVY COMMERCIAL VEHICLE ACCIDENTS

MAJOR CONTRIBUTING FACTORS BY DRIVER AGE
-PROPERTY DAMAGE ACCIDENTS ONLY-
-ALL DRIVERS/VEHICLES INVOLVED-

CONTRIBUTING FACTORS	DRIVER AGE														TOTAL	PERCENT OF TOTAL
	UNDER 16	16	17	18	19	20	21-25	26-30	31-40	41-50	51-60	61-70	OVER 70	UNKNOWN		
DRIVING WITHOUT DUE CARE	0	4	7	9	9	16	76	67	85	62	39	19	6	51	450	13.65
BACKING UNSAFELY	0	5	3	4	4	7	52	56	88	60	37	9	4	43	372	11.29
FAILING TO YIELD RIGHT OF WAY	0	2	4	5	6	5	24	35	50	24	24	13	13	17	222	6.74
WEATHER	0	0	2	5	3	4	20	29	60	44	17	7	3	1	195	5.92
DRIVING AT UNSAFE SPEED	0	3	3	7	5	0	28	35	38	20	15	4	2	2	162	4.92
WILD ANIMAL	0	0	1	0	2	0	14	24	53	30	18	0	0	0	142	4.31
FOLLOWING TOO CLOSELY	0	1	1	3	8	4	20	22	37	21	11	2	4	2	136	4.13
IMPROPER TURNING	0	0	2	1	0	4	15	24	31	20	17	6	6	6	132	4.00
CUTTING IN	0	0	1	0	4	2	13	13	15	7	9	11	4	15	94	2.85
IMPROPER PASSING	0	0	3	1	3	3	15	10	15	10	11	6	3	8	88	2.67
ALCOHOL INVOLVEMENT	0	0	0	0	1	3	20	20	15	10	4	0	0	11	85	2.58
INSECURE LOAD	0	0	0	0	0	1	10	16	16	11	7	4	0	15	80	2.43
VISIBILITY IMPAIRED	0	0	0	1	0	0	8	12	21	18	12	0	0	0	72	2.18
DRIVER INEXPERIENCE	0	2	8	4	7	4	14	12	9	4	3	0	1	2	70	2.12
IGNORING TRAFFIC CONTROL DEVICE	0	0	1	1	0	1	5	7	13	10	4	3	4	5	54	1.64
DRIVERLESS VEHICLE	0	0	0	0	0	0	1	3	1	1	0	0	0	43	49	1.49
DEFECTIVE BRAKES	0	0	1	0	0	0	5	4	7	6	4	3	0	10	40	1.21
OVERSIZE VEHICLE	0	0	0	1	0	0	5	5	10	7	7	1	0	4	40	1.21
DRIVING ON WRONG SIDE OF ROAD	0	0	0	0	0	0	4	7	10	6	3	1	0	6	37	1.12
OBSTRUCTION/DEBRIS ON ROAD	0	0	0	0	0	1	3	6	15	5	3	1	1	1	36	1.09
OTHER	0	4	5	6	13	7	102	115	216	121	80	23	9	39	740	22.45
TOTAL	0	21	42	48	65	62	454	522	805	497	325	113	60	281	3,296	100.00

NOTE: This report represents first contributing factors attributed to drivers only - pedestrians are not included. "OTHER" includes those factors with less than 35 occurrences, as well as unspecified factors.

1987 HEAVY COMMERCIAL VEHICLE ACCIDENTS

MAJOR CONTRIBUTING FACTORS BY DRIVER AGE
-PERSONAL INJURY ACCIDENTS ONLY-
-ALL DRIVERS/VEHICLES INVOLVED-

CONTRIBUTING FACTORS	DRIVER AGE															
	UNDER 16	16	17	18	19	20	21-25	26-30	31-40	41-50	51-60	61-70	OVER 70	UNKNOWN	TOTAL	PERCENT OF TOTAL
DRIVING WITHOUT DUE CARE	3	3	4	1	6	7	41	41	43	35	21	8	3	8	224	18.32
DRIVING AT UNSAFE SPEED	0	0	3	0	2	0	22	27	28	14	14	5	2	1	118	9.65
FAILING TO YIELD RIGHT OF WAY	0	2	2	1	3	1	15	17	24	11	8	8	7	1	100	8.18
FOLLOWING TOO CLOSELY	0	0	0	2	1	1	21	12	31	14	7	2	0	0	91	7.44
WEATHER	0	0	0	4	0	4	9	10	25	8	5	4	2	0	71	5.80
ALCOHOL INVOLVEMENT	0	0	0	2	1	2	13	14	24	6	2	1	1	1	67	5.48
IGNORING TRAFFIC CONTROL DEVICE	0	0	0	3	2	3	9	7	6	6	5	2	0	1	44	3.60
DEFECTIVE BRAKES	1	0	0	0	0	2	6	8	4	1	5	1	0	1	29	2.37
CUTTING IN	0	0	1	0	2	0	1	6	8	1	4	0	0	4	27	2.21
DRIVER INEXPERIENCE	4	2	2	0	2	1	4	4	2	1	0	2	0	0	24	1.96
INSECURE LOAD	0	0	0	0	0	1	3	7	6	1	3	0	0	3	24	1.96
IMPROPER TURNING	0	0	0	1	1	0	2	3	3	5	6	1	2	0	24	1.96
VISIBILITY IMPAIRED	0	1	0	0	1	0	1	1	8	4	3	1	0	1	21	1.72
BACKING UNSAFELY	0	1	0	0	1	1	2	0	3	8	1	0	1	1	19	1.55
IMPROPER PASSING	0	0	0	0	0	0	3	3	6	2	3	2	0	0	19	1.55
DRIVING ON WRONG SIDE OF ROAD	1	0	0	0	0	1	3	3	4	2	3	0	0	0	17	1.39
ROAD MAINTENANCE/ CONSTRUCTION	0	0	0	0	0	0	3	0	5	5	2	0	1	0	16	1.31
DEFECTIVE TIRES	0	0	0	0	0	0	4	1	0	3	1	1	0	0	10	0.82
OTHER	0	1	0	4	5	3	39	50	68	53	24	17	3	11	278	22.73
TOTAL	9	10	12	18	27	27	201	214	298	180	117	55	22	33	1,223	100.00

NOTE: This report represents first contributing factors attributed to drivers only - pedestrians are not included. "OTHER" includes those factors with less than 10 occurrences, as well as unspecified factors.

1987 HEAVY COMMERCIAL VEHICLE ACCIDENTS

MAJOR CONTRIBUTING FACTORS BY DRIVER AGE
-FATAL ACCIDENTS ONLY-
-ALL DRIVERS/VEHICLES INVOLVED-

CONTRIBUTING FACTORS	DRIVER AGE														TOTAL	PERCENT OF TOTAL
	UNDER 16	16	17	18	19	20	21-25	26-30	31-40	41-50	51-60	61-70	OVER 70	UNKNOWN		
DRIVING AT UNSAFE SPEED	0	0	0	1	0	1	3	2	1	3	4	1	0	0	16	19.75
DRIVING ON WRONG SIDE OF ROAD	0	0	0	1	1	0	1	0	6	1	1	0	0	0	11	13.58
DRIVING WITHOUT DUE CARE	1	0	0	0	0	0	1	1	2	2	0	2	1	0	10	12.35
ALCOHOL INVOLVEMENT	0	0	1	0	0	0	1	1	1	2	2	0	0	0	8	9.88
IGNORING TRAFFIC CONTROL DEVICE	0	0	0	1	0	0	1	1	0	0	0	1	1	0	5	6.17
WEATHER	0	0	0	0	0	0	0	0	2	1	2	0	0	0	5	6.17
OTHER	2	0	0	0	0	0	4	3	2	3	6	1	4	1	26	32.10
TOTAL	3	0	1	3	1	1	11	8	14	12	15	5	6	1	81	100.00

NOTE: This report represents first contributing factors attributed to drivers only - pedestrians are not included. "OTHER" includes those factors with less than 5 occurrences, as well as unspecified factors.

1987 HEAVY COMMERCIAL VEHICLE ACCIDENTS

MAJOR CONTRIBUTING FACTORS BY DRIVER AGE
-PROPERTY DAMAGE ACCIDENTS ONLY-
-HEAVY COMMERCIAL DRIVERS/VEHICLES ONLY-

CONTRIBUTING FACTORS	DRIVER AGE														TOTAL	PERCENT OF TOTAL
	UNDER 16	16	17	18	19	20	21-25	26-30	31-40	41-50	51-60	61-70	OVER 70	UNKNOWN		
BACKING UNSAFELY	0	4	2	3	4	4	48	50	85	54	30	2	1	36	323	14.39
DRIVING WITHOUT DUE CARE	0	1	0	2	4	9	54	49	61	46	27	8	1	39	301	13.41
WILD ANIMAL	0	0	0	0	2	0	14	24	53	30	18	0	0	0	141	6.28
WEATHER	0	0	1	1	3	3	8	16	42	32	10	4	0	1	121	5.39
DRIVING AT UNSAFE SPEED	0	1	1	1	5	0	14	23	32	11	12	0	0	2	102	4.55
IMPROPER TURNING	0	0	0	0	0	2	12	22	26	15	15	3	1	6	102	4.55
FAILING TO YIELD RIGHT OF WAY	0	0	1	2	4	1	9	16	27	17	6	3	0	12	98	4.37
FOLLOWING TOO CLOSELY	0	0	0	1	6	3	13	15	23	18	8	1	1	2	91	4.06
INSECURE LOAD	0	0	0	0	0	1	10	15	16	10	5	3	0	14	74	3.30
VISIBILITY IMPAIRED	0	0	0	0	0	0	5	11	17	11	9	0	0	0	53	2.36
CUTTING IN	0	0	0	0	2	1	7	11	7	5	5	1	0	8	47	2.10
IMPROPER PASSING	0	0	0	0	0	3	8	5	6	7	5	0	1	6	41	1.83
OVERSIZE VEHICLE	0	0	0	1	0	0	5	5	10	7	7	1	0	4	40	1.78
DRIVERLESS VEHICLE	0	0	0	0	0	0	1	2	1	1	0	0	0	32	37	1.65
OTHER	1	1	1	2	12	6	97	113	201	116	64	12	0	47	673	1.60
TOTAL	1	7	6	13	42	33	305	377	607	380	221	38	5	209	2,244	100.00

NOTE: This report represents first contributing factors attributed to drivers only - pedestrians are not included. "OTHER" includes those factors with less than 35 occurrences, as well as unspecified factors.

1987 HEAVY COMMERCIAL VEHICLE ACCIDENTS

MAJOR CONTRIBUTING FACTORS BY DRIVER AGE
-PERSONAL INJURY ACCIDENTS ONLY-
-HEAVY COMMERCIAL DRIVERS/VEHICLES ONLY-

CONTRIBUTING FACTORS	DRIVER AGE														TOTAL	PERCENT OF TOTAL
	UNDER 16	16	17	18	19	20	21-25	26-30	31-40	41-50	51-60	61-70	OVER 70	UNKNOWN		
DRIVING WITHOUT DUE CARE	0	0	2	0	3	5	17	25	30	22	10	0	0	6	120	16.69
DRIVING AT UNSAFE SPEED	0	0	0	0	0	0	17	18	23	10	13	2	0	0	83	11.54
FOLLOWING TOO CLOSELY	0	0	0	1	0	0	16	12	26	11	3	1	0	0	70	9.74
WEATHER	0	0	0	2	0	1	5	6	17	5	3	3	1	0	43	5.98
FAILING TO YIELD RIGHT OF WAY	0	0	1	0	0	0	6	11	9	8	3	2	0	0	40	5.56
IGNORING TRAFFIC CONTROL DEVICE	0	0	0	0	2	1	2	7	0	5	4	2	0	1	24	3.34
INSECURE LOAD	0	0	0	0	0	1	3	7	6	1	3	0	0	3	24	3.34
DEFECTIVE BRAKES	0	0	0	0	0	1	4	7	4	1	4	1	0	1	23	3.20
ALCOHOL INVOLVEMENT	0	0	0	1	0	0	3	6	4	3	0	0	0	1	18	2.51
BACKING UNSAFELY	0	0	0	0	0	1	1	0	3	8	1	0	1	1	16	2.22
CUTTING IN	0	0	0	0	0	0	1	4	5	0	2	0	0	2	14	1.95
ROAD MAINTENANCE/ CONSTRUCTION	0	0	0	0	0	0	2	0	5	5	2	0	0	0	14	1.95
IMPROPER TURNING	0	0	0	1	0	0	0	2	2	4	3	0	0	0	12	1.67
IMPROPER PASSING	0	0	0	0	0	0	2	1	3	1	2	1	0	0	10	1.39
VISIBILITY IMPAIRED	0	1	0	0	0	0	1	0	4	3	1	0	0	0	10	1.39
OTHER	0	1	0	1	1	3	27	35	50	48	17	7	1	7	198	27.53
TOTAL	0	2	3	6	6	13	107	141	191	135	71	19	3	22	719	100.00

NOTE: This report represents first contributing factors attributed to drivers only - pedestrians are not included. "OTHER" includes those factors with less than 10 occurrences, as well as unspecified factors.

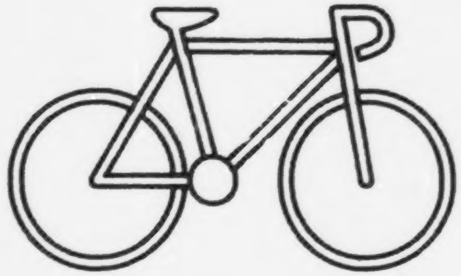
1987 HEAVY COMMERCIAL VEHICLE ACCIDENTS

MAJOR CONTRIBUTING FACTORS BY DRIVER AGE
-FATAL ACCIDENTS ONLY-
-HEAVY COMMERCIAL DRIVERS/VEHICLES ONLY-

CONTRIBUTING FACTORS	DRIVER AGE														TOTAL	PERCENT OF TOTAL
	UNDER 16	16	17	18	19	20	21-25	26-30	31-40	41-50	51-60	61-70	OVER 70	UNKNOWN		
UNSAFE SPEED	0	0	0	0	0	1	0	0	1	2	2	0	0	0	6	19.35
ALCOHOL INVOLVEMENT	0	0	0	0	0	0	1	1	0	0	1	0	0	0	3	9.68
DRIVING ON WRONG SIDE OF ROAD	0	0	0	0	0	0	0	0	3	0	0	0	0	0	3	9.68
DEFECTIVE BRAKES	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	6.45
PAVEMENT CONDITION	0	0	0	0	0	0	0	0	1	1	0	0	0	0	2	6.45
DRIVING WITHOUT DUE CARE	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	6.45
WEATHER	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2	6.45
FELL ASLEEP	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	3.23
AVOIDING VEH/PED/ CYCLIST	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	3.23
IGNORING TRAFFIC CONTROL DEVICE	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	3.23
(RESULT OF) DIRECTLY PRECEDING ACCIDENT	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	3.23
ROAD MAINTENANCE/ CONSTRUCTION	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	3.23
OTHER	0	0	0	0	0	0	2	0	0	2	2	0	0	0	6	19.35
TOTAL	0	0	0	0	0	1	3	3	9	5	10	0	0	0	31	100.00

NOTE: "OTHER" includes those factors with less than 5 occurrences, as well as unspecified factors.

SECTION 17



BICYCLE ACCIDENTS

1987 BICYCLE ACCIDENTS

Cycles included in this report include both bicycles and tricycles.

A bicycle accident is reportable in British Columbia if it results in injury or death or aggregate property damage of $25. At least one motor vehicle must be involved.

A total of 2,607 bicycles were involved in 2,585 bicycle accidents in 1987. Bicyclists injured totalled 2,230 and 20 persons were killed while riding on cycles.

1987 BICYCLE ACCIDENTS

MAJOR CONTRIBUTING FACTORS BY ACCIDENT TYPE
- ALL DRIVERS/VEHICLES INVOLVED -

CONTRIBUTING FACTORS	ACCIDENT TYPE			TOTAL FACTORS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
DRIVING WITHOUT DUE CARE	50	485	5	540	22.50
FAILING TO YIELD RIGHT OF WAY	31	438	0	469	19.54
DRIVING ON WRONG SIDE OF ROAD	12	110	1	123	5.13
IGNORING TRAFFIC CONTROL DEVICE	6	94	2	102	4.25
DRIVER INEXPERIENCE	11	70	1	82	3.42
VISIBILITY IMPAIRED	2	78	1	81	3.38
CUTTING IN	6	64	1	71	2.96
ALCOHOL INVOLVEMENT	5	60	0	65	2.71
IMPROPER TURNING	2	63	0	65	2.71
IMPROPER PASSING	3	55	1	59	2.46
HEADLIGHTS DEFECTIVE/OUT	4	49	1	54	2.25
DRIVING AT UNSAFE SPEED	5	47	0	52	2.17
WEATHER CONDITION	0	31	0	31	1.29
SUNLIGHT GLARE	2	19	0	21	0.88
DEFECTIVE BRAKES	5	15	0	20	0.83
BACKING UNSAFELY	6	13	0	19	0.79
FAILING TO SIGNAL	2	12	0	14	0.58
FOLLOWING TOO CLOSELY	1	13	0	14	0.58
AVOIDING VEH/PED/CYCLE	1	12	0	13	0.54
PEDESTRIAN ERROR/ CONFUSION	0	7	0	7	0.29
OBSTRUCTION/DEBRIS ON ROAD	1	5	0	6	0.25
ROADSIDE HAZARD	0	6	0	6	0.25
OTHER	39	442	4	485	20.20
UNKNOWN	0	1	0	1	0.04
TOTAL	194	2,189	17	2,400	100.00

NOTE: "OTHER" includes factors with less than 5 occurences.

1987 BICYCLE ACCIDENTS

MAJOR CONTRIBUTING FACTORS BY ACCIDENT TYPE

- CYCLISTS ONLY-

CONTRIBUTING FACTORS	ACCIDENT TYPE			TOTAL FACTORS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
DRIVING WITHOUT DUE CARE	32	299	3	334	24.58
FAILING TO YIELD RIGHT OF WAY	14	165	0	179	13.17
DRIVING ON WRONG SIDE OF ROAD	12	103	1	116	8.54
IGNORING TRAFFIC CONTROL DEVICE	6	79	2	87	6.40
DRIVER INEXPERIENCE	7	54	1	62	4.56
DEFECTIVE HEADLIGHTS	4	49	0	53	3.90
CUTTING IN	4	34	1	39	2.87
ALCOHOL INVOLVEMENT	2	34	0	36	2.65
DRIVING AT UNSAFE SPEED	4	29	0	33	2.43
IMPROPER PASSING	2	28	1	31	2.28
IMPROPER TURNING	1	28	0	29	2.13
VISIBILITY IMPAIRED	0	18	0	18	1.32
DEFECTIVE BRAKES	5	12	0	17	1.25
WEATHER CONDITION	0	15	0	15	1.10
FOLLOWING TOO CLOSELY	1	6	0	7	0.52
AVOIDING VEH/PED/CYCLE	0	6	0	6	0.44
PEDESTRIAN ERROR/ CONFUSION	0	5	0	5	0.37
OTHER	17	271	4	292	21.49
TOTAL	111	1,235	13	1,359	100.00

NOTE: "OTHER" includes factors with less than 5 occurences.

1987 BICYCLE ACCIDENTS

PRIMARY ACCIDENT OCCURRENCE BY ACCIDENT TYPE

PRIMARY ACCIDENT OCCURRENCE	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
RIGHT ANGLE COLLISION	65	506	5	576	22.28
LEFT TURN - ACROSS ONCOMING TRAFFIC	22	153	0	175	6.77
REAR END	27	141	3	171	6.62
OVERTAKING	20	102	0	122	4.72
OFF ROAD - RIGHT	7	110	1	118	4.57
SIDE SWIPE	14	82	2	98	3.79
OFF ROAD - LEFT	5	63	1	69	2.67
LEFT TURN - HEAD ON	5	56	0	61	2.36
HEAD ON	6	48	2	56	2.17
RIGHT TURN - HEAD ON	5	31	0	36	1.39
RIGHT TURN - REAR END	3	18	0	21	0.81
BACKING UP	3	12	0	15	0.58
LEFT TURN - ONE WAY	1	14	0	15	0.58
RIGHT TURN - SAME DIRECTION	2	12	0	14	0.54
ONE WAY STREET	0	6	0	6	0.23
RIGHT TURN - OPPOSITE DIRECTION	0	2	0	2	0.08
OTHER	15	111	0	126	4.87
UNKNOWN	156	742	6	904	34.97
TOTAL	356	2,209	20	2,585	100.00

NOTE: The primary accident occurrence categories were modified for 1987 data, therefore comparison between 1987 and prior years is not recommended.

1987 BICYCLE ACCIDENTS

PRE-COLLISION ACTION BY ACCIDENT TYPE

PRE-COLLISION ACTION	ACCIDENT TYPE			TOTAL ACTIONS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
GOING STRAIGHT AHEAD	396	2,682	30	3,108	59.31
MAKING LEFT TURN	72	565	3	640	12.21
MAKING RIGHT TURN	77	449	1	527	10.06
PARKED LEGALLY	46	111	1	158	3.02
STOPPED IN TRAFFIC	29	65	0	94	1.79
CHANGING LANES	8	64	1	73	1.39
OVERTAKING	5	55	1	61	1.17
SLOWING OR STOPPING	6	48	0	54	1.03
SWERVING	6	45	0	51	0.97
STARTING IN TRAFFIC	4	45	0	49	0.94
BACKING	12	31	0	43	0.82
STARTING FROM PARKED POSITION	4	25	1	30	0.57
ENTERING PARKED POSITION	7	20	0	27	0.52
SKIDDING	0	22	0	22	0.42
MERGING	3	16	0	19	0.36
MAKING U TURN	2	13	0	15	0.29
PARKED ILLEGALLY	3	12	0	15	0.29
AVOIDING OBJECT ON ROAD	3	8	0	11	0.21
OTHER	16	121	1	138	2.63
UNKNOWN	24	78	3	105	2.00
TOTAL	723	4,475	42	5,240	100.00

NOTE: This table represents the pre-collision actions of all vehicles involved in the accident.

1987 BICYCLE ACCIDENTS

ACCIDENT LOCATION BY ACCIDENT TYPE

ACCIDENT LOCATION	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
AT INTERSECTION	166	1,116	6	1,288	49.83
BETWEEN INTERSECTIONS	113	690	9	812	31.41
ROAD/DRIVEWAY INTERSECTION	42	296	0	338	13.08
PARKING LOT	26	36	0	62	2.40
BRIDGE	1	11	3	15	0.58
ENTRANCE RAMP	0	5	0	5	0.19
OTHER	5	29	2	36	1.39
UNKNOWN	3	26	0	29	1.12
TOTAL	356	2,209	20	2,585	100.00

1987 BICYCLE ACCIDENTS

17.6

ROADWAY SURFACE CONDITION BY ACCIDENT TYPE

SURFACE CONDITION	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
DRY	319	1,938	19	2,276	88.05
WET	34	258	1	293	11.33
ICY	0	2	0	2	0.08
MUDDY	0	1	0	1	0.04
UNKNOWN	3	9	0	12	0.45
OTHER	0	1	0	1	0.04
TOTAL	356	2,209	20	2,585	100.00

1987 BICYCLE ACCIDENTS

LIGHTING CONDITION BY ACCIDENT TYPE

LIGHTING CONDITION	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
DAYLIGHT	306	1,800	15	2,121	82.05
DARK/SOME ILLUMINATION	21	154	2	177	6.85
DARK/FULL ILLUMINATION	9	100	1	110	4.25
DUSK	12	93	1	106	4.10
DARK/NO ILLUMINATION	3	33	1	37	1.43
DAWN	0	18	0	18	0.70
UNKNOWN	5	11	0	16	0.62
TOTAL	356	2,209	20	2,585	100.00

17.8

1987 BICYCLE ACCIDENTS

WEATHER CONDITION BY ACCIDENT TYPE

WEATHER CONDITION	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
CLEAR	261	1,539	17	1,817	70.29
CLOUDY	69	485	2	556	21.51
RAINING	18	167	1	186	7.20
FOG	0	5	0	5	0.19
OTHER	0	2	0	2	.08
UNKNOWN	8	11	0	19	0.73
TOTAL	356	2,209	20	2,585	100.00

1987 BICYCLE ACCIDENTS

ACCIDENT HOUR BY ACCIDENT TYPE

ACCIDENT HOUR	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
Mid. - 1 am	1	10	0	11	0.43
1 am - 2 am	2	15	1	18	0.70
2 am - 3 am	1	7	0	8	0.31
3 am - 4 am	1	5	0	6	0.23
4 am - 5 am	0	1	0	1	0.04
5 am - 6 am	2	6	0	8	0.31
6 am - 7 am	3	11	0	14	0.54
7 am - 8 am	10	51	1	62	2.40
8 am - 9 am	12	101	0	113	4.37
9 am - 10 am	12	56	1	69	2.67
10 am - 11 am	12	69	0	81	3.13
11 am - Noon	14	105	0	119	4.60
Noon - 1 pm	27	117	3	147	5.69
1 pm - 2 pm	20	152	1	173	6.69
2 pm - 3 pm	34	170	3	207	8.00
3 pm - 4 pm	38	266	1	305	11.80
4 pm - 5 pm	43	279	1	323	12.49
5 pm - 6 pm	38	240	3	281	10.87
6 pm - 7 pm	18	157	2	177	6.85
7 pm - 8 pm	16	135	0	151	5.84
8 pm - 9 pm	14	94	2	110	4.26
9 pm - 10 pm	17	69	0	86	3.33
10 pm - 11 pm	6	42	1	49	1.90
11 pm - Mid.	4	23	0	27	1.04
UNKNOWN	11	28	0	39	1.51
TOTAL	356	2,209	20	2,585	100.00

1987 BICYCLE ACCIDENTS

BICYCLE DRIVER'S AGE BY ACCIDENT TYPE

DRIVER AGE	ACCIDENT TYPE			TOTAL DRIVERS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
1 - 10	13	277	6	296	11.54
11 - 15	53	473	5	531	20.71
16	10	104	0	114	4.45
17	7	85	0	92	3.59
18	8	86	1	95	3.71
19	13	97	0	110	4.29
20	12	83	0	95	3.71
21 - 25	40	349	2	391	15.25
26 - 30	33	200	2	235	9.17
31 - 35	14	123	1	138	5.38
36 - 40	6	54	0	60	2.34
41 - 45	4	36	0	40	1.56
46 - 50	4	24	0	28	1.09
51 - 55	1	11	0	12	0.47
56 - 60	2	14	2	18	0.70
61 - 65	0	6	1	7	0.27
66 - 70	1	9	1	11	0.43
71 - 75	0	8	0	8	0.31
76 - 80	0	2	0	2	0.08
81 - 85	0	2	0	2	0.08
86 - 90	0	1	0	1	0.04
91 - 95	0	0	0	0	0.00
OVER 95	0	0	0	0	0.00
UNKNOWN	118	160	0	278	10.83
TOTAL	339	2,204	21	2,564	100.00

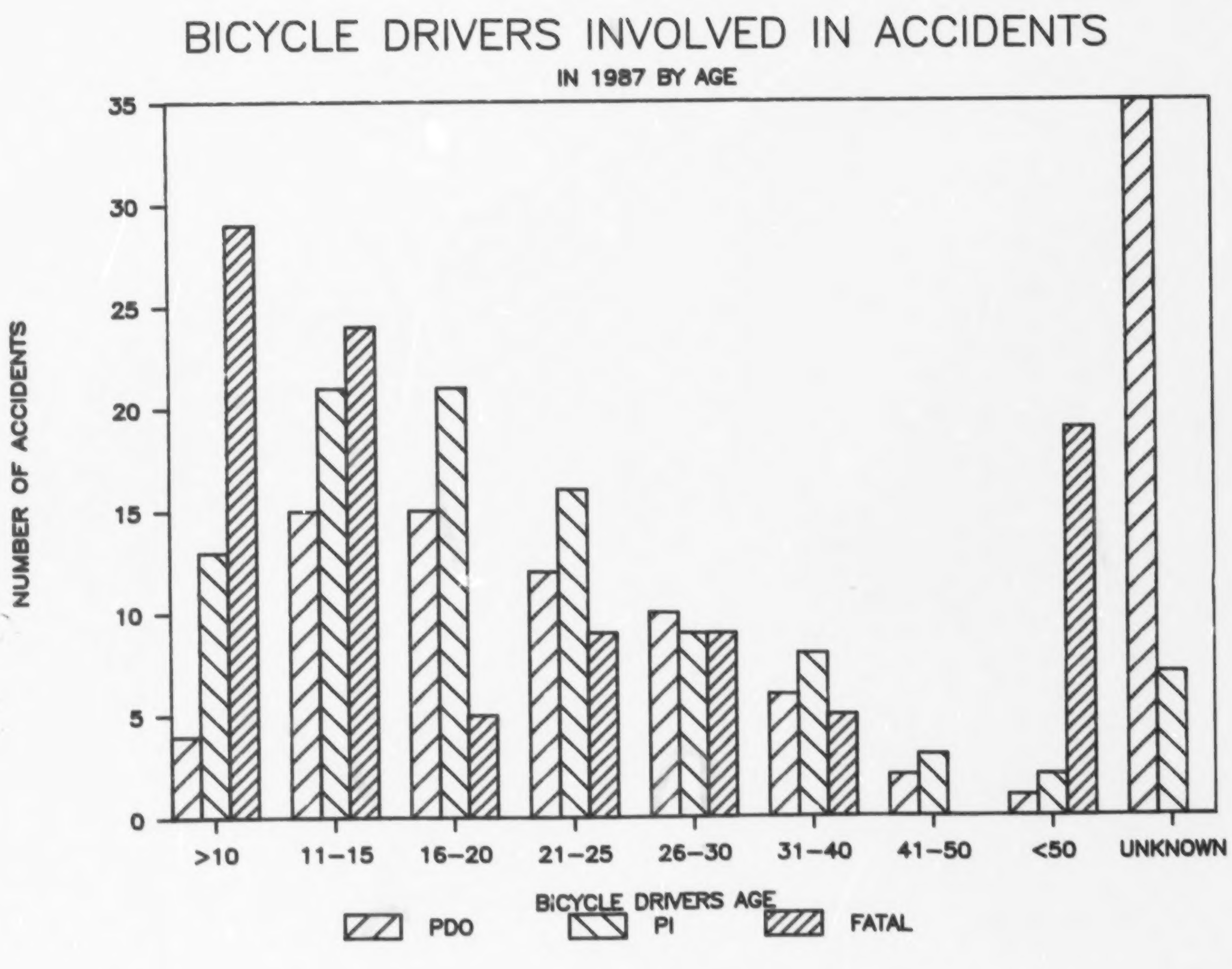

BICYCLE DRIVERS INVOLVED IN ACCIDENTS
IN 1987 BY AGE
NUMBER OF ACCIDENTS
0
5
10
15
20
25
30
35
>10
11–15
16–20
21–25
26–30
31–40
41–50
<50
UNKNOWN
BICYCLE DRIVERS AGE
PDO
PI
FATAL

fig. 46

1987 BICYCLE ACCIDENTS

VICTIMS KILLED BY AGE AND SEX BY ACCIDENT HOUR

ACCIDENT HOUR	UNKNOWN		1-5		6-10		11-15		16-20		21-25		26-30		31-40		41-50		51-60		61-70		OVER 70		TOTAL KILLED	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Mid.- 1 am	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 am- 2 am	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2 am- 3 am	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 am- 4 am	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 am- 5 am	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 am- 6 am	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 am- 7 am	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 am- 8 am	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0
8 am- 9 am	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 am-10 am	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
10 am-11 am	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 am- Noon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Noon - 1 pm	0	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	1
1 pm- 2 pm	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
2 pm- 3 pm	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	2	0
3 pm- 4 pm	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
4 pm- 5 pm	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
5 pm- 6 pm	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0
6 pm- 7 pm	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0
7 pm- 8 pm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 pm- 9 pm	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0
9 pm-10 pm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 pm-11 pm	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
11 pm- Mid.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	1	0	5	0	4	1	0	1	1	0	2	0	1	0	0	0	2	0	1	1	0	0	17	3

1987 BICYCLE ACCIDENTS

VICTIMS INJURED BY AGE AND SEX BY ACCIDENT HOUR

ACCIDENT HOUR	UNKNOWN		1-5		6-10		11-15		16-20		21-25		26-30		31-40		41-50		51-60		61-70		OVER 70		TOTAL INJURED	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Mid.- 1 am	0	0	0	0	0	0	0	0	2	1	1	0	3	0	1	0	0	0	1	0	0	0	0	0	8	1
1 am- 2 am	0	0	0	0	0	0	1	0	4	0	2	2	3	0	1	0	1	0	0	0	0	0	0	0	12	2
2 am- 3 am	0	0	0	0	0	0	0	0	4	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	6	1
3 am- 4 am	0	0	0	0	0	0	0	0	0	0	4	0	0	0	1	0	0	0	0	0	0	0	0	0	5	0
4 am- 5 am	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
5 am- 6 am	0	0	0	0	0	0	1	0	0	0	4	0	0	1	0	0	0	0	0	0	0	0	0	0	5	1
6 am- 7 am	0	0	0	0	0	0	1	0	1	0	2	0	2	0	3	0	0	0	1	0	0	0	0	0	10	0
7 am- 8 am	0	1	0	0	2	0	8	4	4	1	14	5	3	2	4	1	2	0	0	0	0	0	0	0	37	14
8 am- 9 am	4	1	0	0	12	2	25	5	16	4	6	2	8	4	3	5	2	0	1	0	0	0	1	0	78	23
9 am-10 am	1	0	0	0	3	1	3	3	9	5	6	6	3	4	4	5	1	0	1	0	0	0	1	0	32	24
10 am-11 am	3	0	0	1	5	1	8	3	13	3	4	4	8	4	3	0	2	0	3	0	1	0	1	0	51	16
11 am- Noon	2	0	0	0	9	5	15	4	17	7	8	7	8	5	5	4	4	2	0	0	1	1	1	0	70	35
Noon - 1 pm	3	1	1	1	9	3	27	6	21	3	16	2	10	2	5	3	4	0	1	1	1	0	0	1	98	23
1 pm- 2 pm	6	0	3	0	12	7	18	7	25	6	22	9	4	3	14	1	6	2	3	0	0	4	2	0	115	39
2 pm- 3 pm	2	2	3	1	18	4	28	11	19	9	31	7	14	5	7	3	0	2	1	2	0	0	0	0	123	46
3 pm- 4 pm	9	1	6	1	39	9	53	21	39	13	26	6	11	4	12	6	4	0	2	2	2	0	1	0	204	63
4 pm- 5 pm	10	0	9	2	32	6	52	16	38	12	29	12	20	4	16	3	13	4	3	1	1	0	0	0	223	60
5 pm- 6 pm	2	2	4	0	24	15	41	17	45	6	25	12	17	7	15	4	3	2	1	0	0	0	1	0	178	65
6 pm- 7 pm	3	0	5	2	18	3	22	11	25	6	20	14	10	4	7	3	4	1	0	1	0	0	0	0	114	45
7 pm- 8 pm	1	2	1	0	13	6	30	8	32	5	15	3	7	4	2	2	2	0	1	1	1	0	1	0	106	30
8 pm- 9 pm	2	0	3	0	5	4	18	6	20	6	11	1	4	3	9	1	1	0	2	0	0	0	0	0	75	22
9 pm-10 pm	1	1	0	0	4	1	8	7	13	6	8	6	6	1	5	1	0	0	1	0	0	0	0	0	46	23
10 pm-11 pm	1	0	0	0	0	0	3	1	13	6	7	2	6	0	2	1	0	1	0	0	0	0	0	0	32	11
11 pm- Mid.	0	1	0	0	0	0	3	2	6	2	3	1	2	1	1	1	0	0	0	0	0	0	0	0	15	8
UNKNOWN	0	0	0	0	1	1	5	5	7	7	3	3	4	4	7	7	1	1	0	0	0	0	0	0	28	28
TOTAL	50	12	35	8	206	68	370	137	374	109	267	104	154	62	128	51	50	15	22	8	7	5	9	1	1,672	580

1987 BICYCLE ACCIDENTS

CYCLISTS INVOLVED BY VICTIM CLASS

VICTIM TYPE	BICYCLE DRIVERS	BICYCLE PASSENGERS	TOTAL CYCLISTS	PERCENT OF TOTAL
NOT INJURED	362	27	389	14.74
INJURED	2,182	48	2,230	84.50
KILLED	20	0	20	0.76
TOTAL	2,564	75	2,639	100.00

1987 BICYCLE ACCIDENTS
MAJOR CONTRIBUTING FACTORS BY BICYCLE DRIVER'S AGE

CONTRIBUTING FACTORS	DRIVER AGE													
	1-5	6-10	11-15	16	17	18	19	20	21-25	26-30	31-35	36-40	41-45	46-50
ALCOHOL INVOLVEMENT	0	0	1	0	0	1	1	2	13	14	10	9	2	2
BACKING UNSAFELY	0	2	0	0	0	1	0	0	1	1	3	1	1	0
CUTTING IN	2	7	16	2	3	1	1	1	2	4	6	1	3	1
DRIVING WITHOUT DUE CARE	11	63	91	22	27	16	13	17	41	40	25	17	15	7
DRIVER INEXPERIENCE	8	22	20	4	6	2	6	1	2	1	2	2	1	0
FAILING TO SIGNAL	0	1	0	0	0	0	0	0	6	2	1	0	0	0
FAILING TO YIELD RIGHT OF WAY	4	25	56	10	10	13	9	10	52	44	39	28	18	16
FOLLOWING TOO CLOSELY	0	0	1	0	1	1	1	0	4	0	2	2	1	0
IMPROPER PASSING	0	0	3	3	3	2	1	2	12	7	6	3	2	1
DRIVING ON WRONG SIDE OF ROAD	1	17	35	6	2	4	4	4	14	8	4	0	2	3
PEDESTRIAN ERROR/ CONFUSION	0	1	2	1	0	1	0	0	1	0	0	0		1
IGNORING TRAFFIC CONTROL DEVICE	0	18	24	6	2	6	7	2	13	4	3	3	0	1
IMPROPER TURNING	0	1	11	3	4	0	1	3	7	10	2	3	5	1
UNSAFE SPEED	0	4	8	3	3	3	2	5	10	5	2	0	0	0
AVOIDING VEH/PED/ CYCLE	0	0	2	0	1	0	1	0	2	3	0	0	1	0
DEFECTIVE BRAKES	0	1	8	0	1	1	3	0	2	0	1	0	0	0
DEFECTIVE HEADLIGHTS	0	0	7	4	3	4	2	5	12	4	5	3	1	1
SUNLIGHT GLARE	0	0	1	0	1	2	0	1	2	4	1	3	1	1
OBSTRUCTION/DEBRIS ON ROAD	0	0	0	1	0	1	2	0	1	0	0	0	0	0
VISIBILITY IMPAIRED	0	3	4	2	2	1	5	1	9	10	11	10	11	3
WEATHER CONDITION	0	1	2	0	1	1	3	1	3	6	6	1	2	2
ROADSIDE HAZARD	0	0	1	0	0	0	0	1	1	1	0	1	0	0
OTHER	8	36	73	19	18	22	14	15	51	37	24	34	20	17
TOTAL	34	202	366	86	88	84	76	71	261	205	153	121	86	57

NOTE: This report represents first contributing factors attributed to bicycle driver's only.
"OTHER" includes those factors with less than 5 occurrences, as well as unspecified factors.

cont'd...

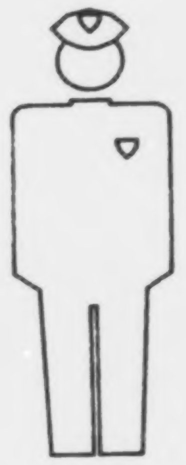
cont'd...

1987 BICYCLE ACCIDENTS
MAJOR CONTRIBUTING FACTORS BY BICYCLE DRIVER'S AGE

CONTRIBUTING FACTORS	DRIVER AGE											
	51-55	56-60	61-65	66-70	71-75	76-80	81-85	85-90	91-95	OVER 95	UNKNOWN	TOTAL FACTORS
ALCOHOL INVOLVEMENT	1	2	1	0	0	0	0	0	0	0	6	65
BACKING UNSAFELY	1	1	1	0	0	0	0	1	0	0	5	19
CUTTING IN	2	5	0	0	1	0	0	0	0	0	13	71
DRIVING WITHOUT DUE CARE	11	9	4	5	4	2	4	0	0	0	96	540
DRIVER INEXPERIENCE	0	0	2	0	0	0	0	0	0	0	3	82
FAILING TO SIGNAL	0	1	0	0	1	0	0	0	0	0	2	14
FAILING TO YIELD RIGHT OF WAY	18	17	17	17	11	5	1	1	0	0	48	469
FOLLOWING TOO CLOSELY	0	0	0	0	0	0	0	0	0	0	1	14
IMPROPER PASSING	0	0	1	0	0	0	1	0	0	0	12	59
DRIVING ON WRONG SIDE OF ROAD	1	0	2	3	0	0	1	1	0	0	11	123
PEDESTRIAN ERROR/ CONFUSION	0	0	0	0	0	0	0	0	0	0	0	7
IGNORING TRAFFIC CONTROL DEVICE	0	1	1	1	1	1	0	0	0	0	8	102
IMPROPER TURNING	1	4	2	2	0	0	0	0	0	0	5	65
UNSAFE SPEED	0	0	0	0	0	0	0	0	0	0	7	52
AVOIDING VEH/PED/ CYCLE	0	1	0	1	0	0	0	0	0	0	1	13
DEFECTIVE BRAKES	0	0	0	0	0	0	0	0	0	0	3	20
DEFECTIVE HEADLIGHTS	0	0	0	0	0	0	0	0	0	0	3	54
SUNLIGHT GLARE	0	1	2	0	1	0	0	0	0	0	0	21
OBSTRUCTION/DEBRIS ON ROAD	0	1	0	0	0	0	0	0	0	0	0	6
VISIBILITY IMPAIRED	0	5	0	2	1	0	0	0	0	0	1	81
WEATHER CONDITION	1	0	0	0	0	0	1	0	0	0	0	31
ROADSIDE HAZARD	0	0	0	0	0	0	0	0	0	0	0	6
OTHER	15	21	7	9	11	2	0	0	0	0	33	486
TOTAL	51	69	40	40	31	10	8	3	0	0	258	2,400

NOTE: This report represents first contributing factors attributed to bicycle driver's only. "OTHER" includes those factors with less than 5 occurrences, as well as unspecified factors.

SECTION 18



POLICE JURISDICTION REPORTS
ACCIDENT & VICTIM SUMMARIES

1987 TRAFFIC ACCIDENTS BY POLICE JURISDICTION

KELOWNA SUBDIVISION RCMP

POLICE JURISDICTION	TOTAL ACCIDENTS	PROPERTY DAMAGE ACCIDENTS		PERSONAL INJURY ACCIDENTS		FATAL ACCIDENTS		VICTIMS INJURED	VICTIMS KILLED
		NUMBER	% OF TOTAL/LOCATION	NUMBER	% OF TOTAL/LOCATION	NUMBER	% OF TOTAL/LOCATION		
ARMSTRONG	173	102	58.96	69	39.88	2	1.16	105	2
ENDERBY	187	128	68.45	58	31.02	1	0.53	85	1
FALKLAND	79	57	72.15	21	26.58	1	1.27	45	2
KELOWNA (MUN.)	2,224	1,587	71.36	629	28.28	8	0.36	846	8
KELOWNA (RURAL)	796	544	68.34	245	30.78	7	0.88	352	7
KEREMEOS	122	87	71.31	31	25.41	4	3.28	82	4
LUMBY	160	115	71.88	41	25.62	4	2.50	49	4
OLIVER	172	138	80.23	30	17.44	4	2.33	51	4
OSOYOOS	205	158	77.07	46	22.44	1	0.49	69	1
PENTICTION (MUN.)	920	706	76.74	210	22.83	4	0.43	277	4
PENTICTION (RURAL)	249	165	66.27	83	33.33	1	0.40	123	2
PRINCETON	396	288	72.73	103	26.01	5	1.26	178	8
REVELSTOKE	467	351	75.16	112	23.98	4	0.86	165	5
SALMON ARM (MUN.)	320	234	73.12	84	26.25	2	0.62	132	2
SALMON ARM (RURAL)	129	82	63.57	46	35.66	1	0.78	64	1
SICAMOUS	187	135	72.19	49	26.20	3	1.60	83	3
SUMMERLAND	165	127	76.97	35	21.21	3	1.82	45	3
VERNON (MUN.)	891	671	75.31	218	24.47	2	0.22	286	2
VERNON (RURAL)	436	290	66.51	133	30.50	13	2.98	204	18
TOTAL	8,278	5,965	72.06	2,243	27.10	70	0.84	3,241	81

1987 TRAFFIC ACCIDENTS BY POLICE JURISDICTION

KAMLOOPS SUBDIVISION RCMP

POLICE JURISDICTION	TOTAL ACCIDENTS	PROPERTY DAMAGE ACCIDENTS		PERSONAL INJURY ACCIDENTS		FATAL ACCIDENTS		VICTIMS INJURED	VICTIMS KILLED
		NUMBER	% OF TOTAL/LOCATION	NUMBER	% OF TOTAL/LOCATION	NUMBER	% OF TOTAL/LOCATION		
ALEXIS CREEK	88	62	70.45	24	27.27	2	2.27	32	2
ANAHIM LAKE	33	20	60.61	13	39.39	0	0.00	18	0
ASHCROFT	145	109	75.17	33	22.76	3	2.07	61	3
BARRIERE	102	59	57.84	40	39.22	3	2.94	66	3
CHASE	218	158	72.48	58	26.61	2	0.92	84	2
CLEARWATER	271	179	66.05	85	31.37	7	2.58	138	7
CLINTON	147	92	62.59	52	35.37	3	2.04	92	3
KAMLOOPS (MUN.)	2,128	1,495	70.25	621	29.18	12	0.56	901	15
KAMLOOPS (RURAL)	216	133	61.57	77	35.65	6	2.78	135	6
LILLOOET	175	116	66.29	52	29.71	7	4.00	89	8
LOGAN LAKE	73	56	76.71	16	21.92	1	1.37	26	1
LYTTON	101	68	67.33	29	28.71	4	3.96	54	7
MERRITT (MUN.)	185	139	75.14	46	24.86	0	0.00	61	0
MERRITT (RURAL)	345	225	65.22	116	33.62	4	1.16	187	5
100 MILE HOUSE	375	261	69.60	111	29.60	3	0.80	158	3
SPENCES BRIDGE	40	28	70.00	12	30.00	0	0.00	15	0
VALEMOUNT	167	108	64.67	58	34.73	1	0.60	86	2
WILLIAMS LAKE (MUN.)	574	484	84.32	90	15.68	0	0.00	128	0
WILLIAMS LAKE (RURAL)	405	272	67.16	125	30.86	8	1.98	189	8
TOTAL	5,788	4,064	70.21	1,658	28.65	66	1.14	2,520	75

1987 TRAFFIC ACCIDENTS BY POLICE JURISDICTION

NELSON SUBDIVISION RCMP

POLICE JURISDICTION	TOTAL ACCIDENTS	PROPERTY DAMAGE ACCIDENTS		PERSONAL INJURY ACCIDENTS		FATAL ACCIDENTS		VICTIMS INJURED	VICTIMS KILLED
		NUMBER	% OF TOTAL/LOCATION	NUMBER	% OF TOTAL/LOCATION	NUMBER	% OF TOTAL/LOCATION		
CASTLEGAR (MUN.)	172	126	73.26	46	26.74	0	0.00	56	0
CASTLEGAR (RURAL)	167	108	64.67	57	34.13	2	1.20	93	2
CRANBROOK (MUN.)	445	378	84.94	65	14.61	2	0.45	88	2
CRANBROOK (RURAL)	311	246	79.10	64	20.58	1	0.32	112	1
CRESCENT VALLEY	10	7	70.00	3	30.00	0	0.00	5	0
CRESTON	372	270	72.58	95	25.54	7	1.88	144	8
ELKFORD	70	56	80.00	14	20.00	0	0.00	22	0
FERNIE	259	204	78.76	52	20.08	3	1.16	78	6
FIELD	82	70	85.37	12	14.63	0	0.00	16	0
FRUITVALE	82	65	79.27	17	20.73	0	0.00	27	0
GOLDEN	469	348	74.20	116	24.73	5	1.07	199	7
GRAND FORKS	261	192	73.56	68	26.05	1	0.38	99	1
INVERMERE	270	226	83.70	44	16.30	0	0.00	74	0
KASLO	59	45	76.27	14	23.73	0	0.00	24	0
KIMBERLEY (MUN.)	94	77	81.91	16	17.02	1	1.06	21	1
KIMBERELY (RURAL)	128	103	80.47	24	18.75	1	0.78	41	1
MIDWAY	144	104	72.22	33	22.92	7	4.86	54	7
NAKUSP	159	115	72.33	40	25.16	4	2.52	62	4
NELSON	248	189	76.21	56	22.58	3	1.21	71	3
NEW DENVER	53	39	73.58	13	24.53	1	1.89	17	1
RADIUM	177	144	81.36	32	18.08	1	0.56	47	1
ROSSLAND	85	64	75.29	20	23.53	1	1.18	34	1
SALMO	142	115	80.99	27	19.01	0	0.00	34	0
SPARWOOD	195	151	77.44	41	21.03	3	1.54	56	3
TRAIL (MUN.)	267	227	85.02	40	14.98	0	0.00	53	0
TRAIL (RURAL)	93	70	75.27	22	23.66	1	1.08	30	1
TOTAL	4,814	3,739	77.67	1,031	21.42	44	0.91	1,557	50

1987 TRAFFIC ACCIDENTS BY POLICE JURISDICTION

PRINCE GEORGE SUBDIVISION RCMP

POLICE JURISDICTION	TOTAL ACCIDENTS	PROPERTY DAMAGE ACCIDENTS		PERSONAL INJURY ACCIDENTS		FATAL ACCIDENTS		VICTIMS INJURED	VICTIMS KILLED
		NUMBER	% OF TOTAL/LOCATION	NUMBER	% OF TOTAL/LOCATION	NUMBER	% OF TOTAL/LOCATION		
BURNS LAKE	239	197	82.43	41	17.15	1	0.42	68	1
CHETWYND	231	173	74.89	57	24.68	1	0.43	108	1
DAWSON CREEK (MUN.)	342	281	82.16	59	17.25	2	0.58	77	2
DAWSON CREEK (RURAL)	254	186	73.23	67	26.38	1	0.39	100	1
FORT NELSON	239	188	78.66	48	20.08	3	1.26	70	3
FORT ST. JAMES	116	81	69.83	34	29.31	1	0.86	54	2
FORT ST. JOHN (MUN.)	468	401	85.68	67	14.32	0	0.00	101	0
FORT ST. JOHN (RURAL)	381	276	72.44	102	26.77	3	0.79	148	3
FRASER LAKE	106	83	78.30	21	19.81	2	1.89	30	3
HUDSON HOPE	60	51	85.00	7	11.67	2	3.33	12	2
MACKENZIE (MUN.)	125	108	86.40	17	13.60	0	0.00	20	0
MACKENZIE (RURAL)	106	74	69.81	30	28.30	2	1.89	44	2
MCBRIDE	97	66	68.04	29	29.90	2	2.06	36	2
PRINCE GEORGE (MUN.)	2,534	2,041	80.54	485	19.14	8	0.32	654	9
PRINCE GEORGE (RURAL)	495	330	66.67	154	31.11	11	2.22	246	12
QUESNEL (MUN.)	418	310	74.16	106	25.36	2	0.48	141	2
QUESNEL (RURAL)	383	241	62.92	140	36.55	2	0.52	214	3
TUMBLER RIDGE	95	74	77.89	21	22.11	0	0.00	30	0
VANDERHOOF	221	168	76.02	51	23.08	2	0.90	72	2
WATSON LAKE/TESLIN (YUKON)	40	23	57.50	16	40.00	1	2.50	26	2
WELLS	23	16	69.57	6	26.09	1	4.35	12	1
TOTAL	6,973	5,368	76.98	1,558	22.34	47	0.68	2,263	53

1987 TRAFFIC ACCIDENTS BY POLICE JURISDICTION

PRINCE RUPERT SUBDIVISION RCMP

POLICE JURISDICTION	TOTAL ACCIDENTS	PROPERTY DAMAGE ACCIDENTS		PERSONAL INJURY ACCIDENTS		FATAL ACCIDENTS		VICTIMS INJURED	VICTIMS KILLED
		NUMBER	% OF TOTAL/LOCATION	NUMBER	% OF TOTAL/LOCATION	NUMBER	% OF TOTAL/LOCATION		
ATLIN/HAINES JCT (YUKON)	27	20	74.07	7	25.93	0	0.00	10	0
BELLA BELLA	2	1	50.00	0	00.00	1	50.00	0	1
BELLA COOLA	72	54	75.00	18	25.00	0	0.00	27	0
CASSIAR	50	34	68.00	15	30.00	1	2.00	19	1
DEASE LAKE/ TELEGRAPH CREEK	42	26	61.90	15	35.71	1	2.38	19	1
GRANISLE	20	14	70.00	5	25.00	1	5.00	7	1
HAZELTON	299	221	73.91	71	23.75	7	2.34	109	9
HOUSTON	185	154	83.24	29	15.68	2	1.08	60	4
KITIMAT (MUN.)	151	120	79.47	30	19.87	1	0.66	37	1
KITIMAT (RURAL)	44	27	61.36	17	38.64	0	0.00	30	0
MASSETT	93	69	74.19	23	24.73	1	1.08	35	1
NEW AIYANSH	43	29	67.44	13	30.23	1	2.33	24	1
PRINCE RUPERT (MUN.)	457	380	83.15	77	16.85	0	0.00	91	0
PRINCE RUPERT (RURAL)	83	64	77.11	18	21.69	1	1.20	37	1
QUEEN CHARLOTTE CITY	106	81	76.42	25	23.58	0	0.00	37	0
SMITHERS	393	328	83.46	62	15.78	3	0.76	99	3
STEWART	119	85	71.43	32	26.89	2	1.68	42	2
TERRACE (MUN.)	392	329	83.93	63	16.07	0	0.00	71	0
TERRACE (RURAL)	302	206	68.21	92	30.46	4	1.32	134	4
TOTAL	2,880	2,242	77.85	612	21.25	26	0.90	888	30

1987 TRAFFIC ACCIDENTS BY POLICE JURISDICTION

VANCOUVER SUBDIVISION RCMP

POLICE JURISDICTION	TOTAL ACCIDENTS	PROPERTY DAMAGE ACCIDENTS		PERSONAL INJURY ACCIDENTS		FATAL ACCIDENTS		VICTIMS INJURED	VICTIMS KILLED
		NUMBER	% OF TOTAL/LOCATION	NUMBER	% OF TOTAL/LOCATION	NUMBER	% OF TOTAL/LOCATION		
DEAS ISLAND FWY PATROL (UNIT A)	557	352	63.20	196	35.19	9	1.62	329	13
GIBSONS	216	148	68.52	66	30.56	2	0.93	105	2
LANGLEY CITY	969	721	74.41	245	25.28	3	0.31	343	3
LANGLEY TOWNSHIP	1,554	1,052	67.70	496	31.92	6	0.39	736	6
MAPLE RIDGE (MUN.)	1,292	960	74.30	328	25.39	4	0.31	461	4
MAPLE RIDGE (RURAL)	279	201	72.04	72	25.81	6	2.15	129	6
MARINE SERVICES (BOWEN IS.)	25	14	56.00	11	44.00	0	0.00	13	0
PEMBERTON	112	73	65.18	39	34.82	0	0.00	66	0
PORT MANN FWY PATROL (UNIT B)	1,319	861	65.28	448	33.97	10	0.76	678	12
SECHELT	242	176	72.73	63	26.03	3	1.24	83	3
SQUAMISH (MUN.)	360	266	73.89	93	25.83	1	0.28	134	1
SQUAMISH (RURAL)	213	135	63.38	76	35.68	2	0.94	125	5
UNIVERSITY	381	296	77.69	85	22.31	0	0.00	115	0
WHISTLER	322	261	81.06	60	18.63	1	0.31	83	1
WHITE ROCK	500	383	76.60	117	23.40	0	0.00	160	0
TOTAL	8,341	5,899	70.72	2,395	28.72	47	0.56	3,560	56

1987 TRAFFIC ACCIDENTS BY POLICE JURISDICTION

CHILLIWACK SUBDIVISION RCMP

POLICE JURISDICTION	TOTAL ACCIDENTS	PROPERTY DAMAGE ACCIDENTS		PERSONAL INJURY ACCIDENTS		FATAL ACCIDENTS		VICTIMS INJURED	VICTIMS KILLED
		NUMBER	% OF TOTAL/LOCATION	NUMBER	% OF TOTAL/LOCATION	NUMBER	% OF TOTAL/LOCATION		
ABBOTSFORD (MUN.)	623	457	73.35	164	26.32	2	0.32	242	2
ABBOTSFORD (RURAL)	25	15	60.00	10	40.00	0	0.00	16	0
AGASSIZ	225	150	66.97	71	31.56	4	1.78	107	5
BOSTON BAR	121	92	76.03	23	19.01	6	4.96	33	7
CHILLIWACK (MUN.)	1,401	1,029	73.45	369	26.34	3	0.21	487	3
CHILLIWACK (RURAL)	117	67	57.26	49	41.88	1	0.85	88	3
HOPE	593	443	74.70	135	22.77	15	2.53	231	19
MISSION (MUN.)	538	399	74.16	136	25.28	3	0.56	186	3
MISSION (RURAL)	120	79	65.83	38	31.67	3	2.50	54	3
SUMAS FWY PATROL (UNIT C)	291	177	60.82	105	36.08	9	3.09	176	10
TOTAL	4,054	2,908	71.73	1,100	27.13	46	1.14	1,620	55

18.6 (c)

BURNABY SUBDIVISION RCMP

POLICE JURISDICTION	TOTAL ACCIDENTS	PROPERTY DAMAGE ACCIDENTS		PERSONAL INJURY ACCIDENTS		FATAL ACCIDENTS		VICTIMS INJURED	VICTIMS KILLED
		NUMBER	% OF TOTAL/LOCATION	NUMBER	% OF TOTAL/LOCATION	NUMBER	% OF TOTAL/LOCATION		
BURNABY	6,877	5,162	75.06	1,701	24.74	14	0.20	2,304	16
TOTAL	6,877	5,162	75.06	1,701	24.74	14	0.20	2,304	16

18.6 (b)

1987 TRAFFIC ACCIDENTS BY POLICE JURISDICTION

COQUITLAM SUBDIVISION RCMP

POLICE JURISDICTION	TOTAL ACCIDENTS	PROPERTY DAMAGE ACCIDENTS		PERSONAL INJURY ACCIDENTS		FATAL ACCIDENTS		VICTIMS INJURED	VICTIMS KILLED
		NUMBER	% OF TOTAL/LOCATION	NUMBER	% OF TOTAL/LOCATION	NUMBER	% OF TOTAL/LOCATION		
COQUITLAM (MUN.)	2,194	1,632	74.38	558	25.43	4	0.18	766	4
COQUITLAM (RURAL)	304	206	67.76	96	31.58	2	0.66	144	2
PORT COQUITLAM	857	605	70.60	246	28.70	6	0.70	353	6
TOTAL	3,355	2,443	72.82	900	26.82	12	0.36	1,263	12

18.6 (e)

NORTH VANCOUVER SUBDIVISION RCMP

POLICE JURISDICTION	TOTAL ACCIDENTS	PROPERTY DAMAGE ACCIDENTS		PERSONAL INJURY ACCIDENTS		FATAL ACCIDENTS		VICTIMS INJURED	VICTIMS KILLED
		NUMBER	% OF TOTAL/LOCATION	NUMBER	% OF TOTAL/LOCATION	NUMBER	% OF TOTAL/LOCATION		
NORTH VANCOUVER CITY	1,660	1,295	78.01	363	21.87	2	0.12	443	2
NORTH VANCOUVER DIST.	1,660	1,275	76.81	383	23.07	2	0.12	513	2
TOTAL	3,320	2,570	77.41	746	22.47	4	0.12	956	4

1987 TRAFFIC ACCIDENTS BY POLICE JURISDICTION

RICHMOND SUBDIVISION RCMP

POLICE JURISDICTION	TOTAL ACCIDENTS	PROPERTY DAMAGE ACCIDENTS		PERSONAL INJURY ACCIDENTS		FATAL ACCIDENTS		VICTIMS INJURED	VICTIMS KILLED
		NUMBER	% OF TOTAL/LOCATION	NUMBER	% OF TOTAL/LOCATION	NUMBER	% OF TOTAL/LOCATION		
RICHMOND	4,481	3,295	73.53	1,171	26.13	15	0.34	1,595	17
TOTAL	4,481	3,295	73.53	1,171	26.13	15	0.34	1,595	17

SURREY SUBDIVISION RCMP

POLICE JURISDICTION	TOTAL ACCIDENTS	PROPERTY DAMAGE		PERSONAL INJURY ACCIDENTS		FATAL ACCIDENTS		VICTIMS INJURED	VICTIMS KILLED
		NUMBER	% OF TOTAL/LOCATION	NUMBER	% OF TOTAL/LOCATION	NUMBER	% OF TOTAL/LOCATION		
SURREY	6,370	4,098	64.33	2,248	35.29	24	0.38	3,368	31
TOTAL	6,370	4,098	64.33	2,248	35.29	24	0.38	3,368	31

1987 TRAFFIC ACCIDENTS BY POLICE JURISDICTION

VICTORIA SUBDIVISION RCMP

POLICE JURISDICTION	TOTAL ACCIDENTS	PROPERTY DAMAGE ACCIDENTS		PERSONAL INJURY ACCIDENTS		FATAL ACCIDENTS		VICTIMS INJURED	VICTIMS KILLED
		NUMBER	% OF TOTAL/LOCATION	NUMBER	% OF TOTAL/LOCATION	NUMBER	% OF TOTAL/LOCATION		
CHEMAINUS	175	113	64.57	61	34.86	1	0.57	94	1
COLWOOD	1,089	779	71.53	305	28.01	5	0.46	422	5
DUNCAN	461	300	65.08	158	34.27	3	0.65	234	3
DUNCAN (N. COWICHAN)	296	195	65.88	99	33.45	2	0.68	166	2
GABRIOLA ISLAND	77	51	66.23	26	33.77	0	0.00	34	0
GANGES	135	99	73.33	36	26.67	0	0.00	49	0
LADYSMITH	240	164	68.33	71	29.58	5	2.08	123	5
LAKE COWICHAN	125	99	79.20	26	20.80	0	0.00	35	0
NANAIMO (MUN.)	1,854	1,336	72.06	510	27.51	8	0.43	743	10
NANAIMO (RURAL)	185	124	67.03	57	30.81	4	2.16	82	5
PENDER ISLAND	41	25	60.98	16	39.02	0	0.00	27	0
SHAWNIGAN LAKE	264	163	61.74	100	37.88	1	0.38	154	1
SIDNEY (MUN.)	371	260	70.08	110	29.65	1	0.27	145	1
SIDNEY (RURAL)	21	13	61.90	8	38.10	0	0.00	11	0
SOOKE	244	148	60.66	92	37.70	4	1.64	123	4
TOTAL	5,578	3,869	69.36	1,675	30.03	34	0.61	2,442	37

1987 TRAFFIC ACCIDENTS BY POLICE JURISDICTION

COURTENAY SUBDIVISION RCMP

POLICE JURISDICTION	TOTAL ACCIDENTS	PROPERTY DAMAGE ACCIDENTS		PERSONAL INJURY ACCIDENTS		FATAL ACCIDENTS		VICTIMS INJURED	VICTIMS KILLED
		NUMBER	% OF TOTAL/LOCATION	NUMBER	% OF TOTAL/LOCATION	NUMBER	% OF TOTAL/LOCATION		
ALERT BAY	30	26	86.67	4	13.33	0	0.00	5	0
CAMPBELL RIVER (MUN.)	810	631	77.90	178	21.98	1	0.12	244	1
CAMPBELL RIVER (RURAL)	277	180	64.98	91	32.85	6	2.17	163	8
COMOX	115	88	76.52	27	23.48	0	0.00	35	0
COURTENAY (MUN.)	482	360	74.69	120	24.90	2	0.41	160	2
COURTENAY (RURAL)	552	370	67.03	179	32.43	3	0.54	267	3
GOLD RIVER	90	66	73.33	24	26.67	0	0.00	32	0
PARKSVILLE	696	532	76.44	160	22.99	4	0.57	255	4
PORT ALBERNI (MUN.)	639	511	79.97	125	19.56	3	0.47	162	3
PORT ALBERNI (RURAL)	240	169	70.42	68	28.33	3	1.25	111	5
PORT ALICE	50	35	70.00	15	30.00	0	0.00	22	0
PORT HARDY	243	172	70.78	70	28.81	1	0.41	97	1
PORT MCNEILL	168	116	69.05	51	30.36	1	0.60	81	1
POWELL RIVER (MUN.)	289	231	79.93	57	19.72	1	0.35	76	1
POWELL RIVER (RURAL)	108	73	67.59	33	30.56	2	1.85	53	3
QUADRA	52	37	71.15	15	28.85	0	0.00	17	0
SAYWARD	105	78	74.29	27	25.71	0	0.00	44	0
TAHSIS	44	32	72.73	12	27.27	0	0.00	16	0
TEXADA ISLAND	21	16	76.19	5	23.81	0	0.00	9	0
TOFINO	59	42	71.19	17	28.81	0	0.00	22	0
UCLUELET	120	77	64.17	41	34.17	2	1.67	68	4
TOTAL	5,190	3,842	74.03	1,319	25.41	29	0.56	1,939	36

1987 TRAFFIC ACCIDENTS BY POLICE JURISDICTION

MUNICIPAL FORCES

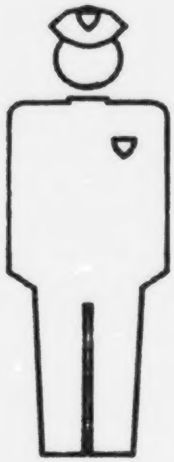
POLICE JURISDICTION	TOTAL ACCIDENTS	PROPERTY DAMAGE ACCIDENTS		PERSONAL INJURY ACCIDENTS		FATAL ACCIDENTS		VICTIMS INJURED	VICTIMS KILLED
		NUMBER	% OF TOTAL/LOCATION	NUMBER	% OF TOTAL/LOCATION	NUMBER	% OF TOTAL/LOCATION		
CENTRAL SAANICH	245	167	68.16	76	31.02	2	0.82	104	2
DELTA	2,053	1,582	77.06	467	22.75	4	0.19	647	4
ESQUIMALT	363	241	66.39	122	33.61	0	0.00	156	0
MATSQUI	1,725	1,157	67.07	561	32.52	7	0.41	814	8
NELSON	240	201	83.75	39	16.25	0	0.00	52	0
NEW WESTMINISTER	2,316	1,666	71.93	648	27.98	2	0.09	892	2
OAK BAY	246	171	69.51	74	30.08	1	0.41	82	1
PORT MOODY	555	401	72.25	153	27.57	1	0.18	215	1
SAANICH	2,155	1,517	70.39	634	29.42	4	0.19	854	4
VANCOUVER	24,086	19,220	79.80	4,833	20.07	33	0.14	6,357	37
VICTORIA	2,579	1,687	65.41	884	34.28	8	0.31	1,132	8
WEST VANCOUVER	1,431	1,093	76.38	337	23.55	1	0.07	460	1
TOTAL	37,994	29,103	76.60	8,828	23.23	63	0.17	11,765	68

1987 TRAFFIC ACCIDENTS BY POLICE JURISDICTION

OTHER POLICE FORCES

POLICE JURISDICTION	TOTAL ACCIDENTS	PROPERTY DAMAGE ACCIDENTS		PERSONAL INJURY ACCIDENTS		FATAL ACCIDENTS		VICTIMS INJURED	VICTIMS KILLED
		NUMBER	% OF TOTAL/LOCATION	NUMBER	% OF TOTAL/LOCATION	NUMBER	% OF TOTAL/LOCATION		
BCHP-SECOND NARROWS BRIDGE	1	0	0.00	1	100.00	0	0.00	1	0
C.P.R. POLICE	4	4	100.00	0	0.00	0	0.00	0	0
MILITARY POLICE	42	34	80.95	7	16.67	1	2.38	8	1
PORTS CANADA POLICE	26	25	96.15	1	3.85	0	0.00	1	0
TOTAL	73	63	86.30	9	12.33	1	1.37	10	1

SECTION 19



POLICE JURISDICTION REPORTS
HIT & RUN ACCIDENT SUMMARIES

1987 HIT & RUN ACCIDENTS BY POLICE JURISDICTION

KELOWNA SUBDIVISION RCMP

POLICE JURISDICTION	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
ARMSTRONG	10	0	0	10	0.98
ENDERBY	10	1	0	11	1.07
FALKLAND	1	0	0	1	0.10
KELOWNA (MUN.)	361	25	0	386	37.73
KELOWNA (RURAL)	59	4	0	63	6.16
KEREMEOS	6	0	0	6	0.59
LUMBY	14	0	0	14	1.37
OLIVER	23	0	0	23	2.25
OSOYOOS	18	2	0	20	1.95
PENTICTON (MUN.)	164	12	0	176	17.20
PENTICTON (RURAL)	19	5	0	24	2.35
PRINCETON	27	1	0	28	2.74
REVELSTOKE	37	5	0	42	4.10
SALMON ARM (MUN.)	24	3	1	28	2.74
SALMON ARM (RURAL)	5	0	0	5	0.49
SICAMOUS	11	0	0	11	1.07
SUMMERLAND (MUN.)	19	1	1	21	2.05
VERNON (MUN.)	114	12	0	126	12.32
VERNON (RURAL)	25	3	0	28	2.74
TOTAL	947	74	2	1,023	100.00

1987 HIT & RUN ACCIDENTS BY POLICE JURISDICTION

KAMLOOPS SUBDIVISION RCMP

POLICE JURISDICTION	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
ALEXIS CREEK	7	0	0	7	0.99
ANAHIM LAKE	3	0	0	3	0.42
ASHCROFT	19	0	0	19	2.69
BARRIERE	1	0	1	2	0.28
CHASE	9	4	0	13	1.84
CLEARWATER	19	0	0	19	2.69
CLINTON	3	0	0	3	0.42
KAMLOOPS (MUN.)	313	23	0	336	47.46
KAMLOOPS (RURAL)	12	0	0	12	1.70
LILLOOET	21	2	0	23	3.25
LOGAN LAKE	3	0	0	3	0.42
LYTTON	3	0	0	3	0.42
MERRITT (MUN.)	34	0	0	34	4.80
MERRITT (RURAL)	16	1	0	17	2.40
100 MILE HOUSE	32	1	0	33	4.66
SPENCES BRIDGE	2	0	0	2	0.28
VALEMOUNT	9	0	0	9	1.27
WILLIAMS LAKE (MUN.)	144	8	0	152	21.47
WILLIAMS LAKE (RURAL)	17	1	0	18	2.54
TOTAL	667	40	1	708	100.00

1987 HIT & RUN ACCIDENTS BY POLICE JURISDICTION

NELSON SUBDIVISION RCMP

POLICE JURISDICTION	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
CASTLEGAR (MUN.)	19	1	0	20	5.93
CASTLEGAR (RURAL)	9	0	0	9	2.67
CRANBROOK (MUN.)	73	3	0	76	22.56
CRANBROOK (RURAL)	5	0	0	5	1.48
CRESTON	26	1	0	27	8.01
ELKFORD	6	0	0	6	1.78
FERNIE	20	0	0	20	5.93
FIELD	3	0	0	3	0.89
FRUITVALE	4	0	0	4	1.19
GOLDEN	28	3	0	31	9.20
GRAND FORKS	9	0	0	9	2.67
INVERMERE	17	0	0	17	5.04
KASLO	2	0	0	2	0.59
KIMBERLEY (MUN.)	14	0	0	14	4.15
KIMBERLEY (RURAL)	4	0	0	4	1.19
MIDWAY	4	0	0	4	1.19
NAKUSP	4	0	0	4	1.19
NELSON	7	0	0	7	2.08
NEW DENVER	5	0	0	5	1.48
RADIUM	3	0	0	3	0.89
ROSSLAND	7	0	0	7	2.08
SALMO	4	0	0	4	1.19
SPARWOOD	15	1	0	16	4.75
TRAIL (MUN.)	36	2	0	38	11.28
TRAIL (RURAL)	2	0	0	2	0.59
TOTAL	326	11	0	337	100.00

1987 HIT & RUN ACCIDENTS BY POLICE JURISDICTION

PRINCE GEORGE SUBDIVISION RCMP

POLICE JURISDICTION	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
BURNS LAKE	25	2	0	27	2.88
CHETWYND	14	0	0	14	1.50
DAWSON CREEK (MUN.)	67	2	0	69	7.36
DAWSON CREEK (RURAL)	12	2	0	14	1.50
FORT NELSON	37	1	0	38	4.06
FORT ST. JAMES	7	0	0	7	0.75
FORT ST. JOHN (MUN.)	69	3	0	72	7.68
FORT ST. JOHN (RURAL)	10	3	0	13	1.39
FRASER LAKE	8	1	0	9	0.96
HUDSON HOPE	5	0	0	5	0.53
MACKENZIE (MUN.)	27	1	0	28	2.99
MACKENZIE (RURAL)	5	0	0	5	0.53
MCBRIDE	5	0	0	5	0.53
PRINCE GEORGE CITY	452	27	0	479	51.12
PRINCE GEORGE (RURAL)	14	0	0	14	1.50
QUESNEL (MUN.)	65	4	0	69	7.36
QUESNEL (RURAL)	24	1	0	25	2.67
TUMBLER RIDGE	15	1	0	16	1.71
VANDERHOOF	25	0	1	26	2.77
WELLS	2	0	0	2	0.21
TOTAL	888	48	1	937	100.00

1987 HIT & RUN ACCIDENTS BY POLICE JURISDICTION

PRINCE RUPERT SUBDIVISION RCMP

POLICE JURISDICTION	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
ATLIN; HAINES JCT (Yukon)	1	0	0	1	0.25
BELLA COOLA	3	1	0	4	1.01
DEASE LAKE/TELEGRAPH CRK	3	0	0	3	0.76
GRANISLE	1	0	0	1	0.25
HOUSTON	22	0	0	22	5.57
KITIMAT (MUN.)	30	1	0	31	7.85
KITIMAT (RURAL)	4	0	0	4	1.01
MASSET	6	0	0	6	1.52
NEW AIYANSH	4	0	0	4	1.01
NEW HAZELTON	25	0	0	25	6.33
PRINCE RUPERT (MUN.)	115	1	0	116	29.37
PRINCE RUPERT (RURAL)	6	2	0	8	2.03
QUEEN CHARLOTTE CITY	11	0	0	11	2.78
SMITHERS	60	0	0	60	15.19
STEWART	5	0	0	5	1.27
TERRACE (MUN.)	76	3	0	79	20.00
TERRACE (RURAL)	13	2	0	15	3.80
TOTAL	385	10	0	395	100.00

1987 HIT & RUN ACCIDENTS BY POLICE JURISDICTION

VANCOUVER SUBDIVISION RCMP

POLICE JURISDICTION	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
DEAS ISLAND FREEWAY PATROL (UNIT A)	23	8	0	31	2.85
GIBSONS	25	4	0	29	2.67
LANGLEY CITY	159	14	0	173	15.90
LANGLEY TOWNSHIP	151	22	0	173	15.90
MAPLE RIDGE (MUN.)	173	17	0	190	17.46
MAPLE RIDGE (RURAL)	33	5	0	38	3.49
MARINE SERVICES-BOWEN IS.	2	0	0	2	0.18
PEMBERTON	7	0	0	7	0.64
PORT MANN FREEWAY PATROL (UNIT B)	57	20	0	77	7.08
SECHELT	22	0	0	22	2.02
SQUAMISH (MUN.)	45	1	0	46	4.23
SQUAMISH (RURAL)	7	0	0	7	0.64
UNIVERSITY	93	1	0	94	8.64
WHISTLER	75	1	0	76	6.99
WHITE ROCK	117	6	0	123	11.31
TOTAL	989	99	0	1,088	100.00

1987 HIT & RUN ACCIDENTS BY POLICE JURISDICTION

CHILLIWACK SUBDIVISION RCMP

POLICE JURISDICTION	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
ABBOTSFORD (MUN.)	81	6	0	87	17.30
ABBOTSFORD (RURAL)	1	0	0	1	0.20
AGASSIZ	27	2	0	29	5.76
BOSTON BAR	7	0	0	7	1.39
CHILLIWACK (MUN.)	206	20	0	226	44.93
CHILLIWACK (RURAL)	10	2	0	12	2.39
HOPE	28	1	0	29	5.76
MISSION (MUN.)	87	8	0	95	18.89
MISSION (RURAL)	5	3	1	9	1.79
SUMAS FREEWAY PATROL (UNIT C)	8	0	0	8	1.59
TOTAL	460	42	1	503	100.00

1987 HIT & RUN ACCIDENTS BY POLICE JURISDICTION

19.6 (c)

BURNABY SUBDIVISION RCMP

POLICE JURISDICTION	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
BURNABY	1,081	68	1	1,150	100.00
TOTAL	1,081	68	1	1,150	100.00

1987 HIT & RUN ACCIDENTS BY POLICE JURISDICTION

COQUITLAM SUBDIVISION RCMP

POLICE JURISDICTION	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
COQUITLAM (MUN.)	461	35	0	496	73.05
COQUITLAM (RURAL)	17	7	0	24	3.53
PORT COQUITLAM	140	19	0	159	23.42
TOTAL	618	61	0	679	100.00

19.6 (e)

1987 HIT & RUN ACCIDENTS BY POLICE JURISDICTION

NORTH VANCOUVER SUBDIVISION RCMP

POLICE JURISDICITON	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
NORTH VANCOUVER CITY	375	30	0	405	53.22
NORTH VANCOUVER DISTRICT	339	17	0	356	46.78
TOTAL	714	47	0	761	100.00

1987 HIT & RUN ACCIDENTS BY POLICE JURISDICTION

RICHMOND SUBDIVISION RCMP

POLICE JURISDICTION	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
RICHMOND	836	58	0	894	100.00
TOTAL	836	58	0	894	100.00

19.6 (g)

1987 HIT & RUN ACCIDENTS BY POLICE JURISDICTION

SURREY SUBDIVISION RCMP

POLICE JURISDICTION	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
SURREY	807	162	0	969	100.00
TOTAL	807	162	0	969	100.00

1987 HIT & RUN ACCIDENTS BY POLICE JURISDICTION

VICTORIA SUBDIVISION RCMP

POLICE JURISDICTION	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
CHEMAINUS	7	0	0	7	1.07
COLWOOD	93	13	0	106	16.26
DUNCAN	35	3	1	39	5.98
DUNCAN (COWICHAN)	15	1	0	16	2.45
GABRIOLA ISLAND	11	0	0	11	1.69
GANGES	16	2	0	18	2.76
LADYSMITH	39	6	0	45	6.90
LAKE COWICHAN	12	1	0	13	1.99
NANAIMO (MUN.)	276	23	0	299	45.86
NANAIMO (RURAL)	15	0	0	15	2.30
PENDER ISLAND	3	0	0	3	0.46
SHAWNIGAN LAKE	7	1	0	8	1.23
SIDNEY (MUN.)	48	3	1	52	7.98
SIDNEY (RURAL)	2	0	0	2	0.31
SOOKE	17	1	0	18	2.76
TOTAL	596	54	2	652	100.00

1987 HIT & RUN ACCIDENTS BY POLICE JURISDICTION

COURTENAY SUBDIVISION RCMP

POLICE JURISDICTION	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
ALERT BAY	3	0	0	3	0.46
CAMPBELL RIVER (MUN.)	143	4	0	147	22.38
CAMPBELL RIVER (RURAL)	9	3	0	12	1.83
COMOX	23	2	0	25	3.81
COURTENAY (MUN.)	100	6	0	106	16.13
COURTENAY (RURAL)	33	3	0	36	5.48
GOLD RIVER	5	0	0	5	0.76
PARKSVILLE	63	2	0	65	9.89
PORT ALBERNI (MUN.)	112	3	0	115	17.50
PORT ALBERNI (RURAL)	13	0	0	13	1.98
PORT ALICE	2	1	0	3	0.46
PORT HARDY	32	1	0	33	5.02
PORT MCNEILL	13	0	0	13	1.98
POWELL RIVER (MUN.)	42	4	0	46	7.00
POWELL RIVER (RURAL)	7	0	0	7	1.07
QUADRA ISLAND	5	0	0	5	0.76
TAHSIS	5	0	0	5	0.76
TEXADA ISLAND	2	0	0	2	0.30
TOFINO	10	0	0	10	1.52
UCLUELET	6	0	0	6	0.91
TOTAL	628	29	0	657	100.00

1987 HIT & RUN ACCIDENTS BY POLICE JURISDICTION

MUNICIPAL FORCES

POLICE JURISDICTION	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
CENTRAL SAANICH	25	4	0	29	0.38
DELTA	367	18	1	386	5.00
ESQUIMALT	73	14	0	87	1.13
MATSQUI	226	29	1	256	3.32
NELSON	37	1	0	38	0.49
NEW WESTMINSTER	408	32	0	440	5.70
OAK BAY	36	2	0	38	0.49
PORT MOODY	100	9	0	109	1.41
SAANICH	275	36	0	311	4.03
VANCOUVER CITY	4,941	304	1	5,246	67.95
VICTORIA CITY	442	54	0	496	6.42
WEST VANCOUVER	267	17	0	284	3.68
TOTAL	7,197	520	3	7,720	100.00

1987 HIT & RUN ACCIDENTS BY POLICE JURISDICTION

OTHER POLICE FORCES

POLICE JURISDICTION	ACCIDENT TYPE			TOTAL ACCIDENTS	PERCENT OF TOTAL
	PROPERTY DAMAGE	PERSONAL INJURY	FATAL		
C.F.B. ESQUILMALT	10	0	0	10	77.00
PORTS CANADA POLICE	3	0	0	3	23.00
TOTAL	13	0	0	13	100.00